

**1967**  
**CENSUS OF MANUFACTURES**

**CONCENTRATION RATIOS IN MANUFACTURING**  
**PARTS 1, 2, AND 3**  
**AND SUPPLEMENT**

**LIBRARY**  
**BUREAU OF THE CENSUS**











REFERENCE COPY

UNITED STATES  
DEPARTMENT OF  
COMMERCE  
PUBLICATION



# 1967 CENSUS OF MANUFACTURES

57(S)-2.1

## Concentration Ratios in Manufacturing

Part 1

RECEIVED  
JUL 31 10 02 AM '70  
CENSUS  
BUREAU



SPECIAL  
REPORT

U.S. DEPARTMENT  
OF COMMERCE

Bureau of  
the Census





**PUBLICATION PROGRAM  
1967 CENSUS OF MANUFACTURES**

**Industry Series** (80 reports, Series MC67(2)-20A to 39D). Each report provides information for a group of related industries (e.g., dairy products). Final figures for the United States are shown for each of the 422 manufacturing industries on quantity and value of products shipped and materials consumed, cost of fuels and electric energy, capital expenditures, inventories, employment, payrolls, man-hours, value added by manufacturing, number of establishments, and number of companies. Comparable statistics for earlier years are provided where available.

For each industry, data on value of shipments, value added by manufacturing, capital expenditures, employment, and payrolls are shown by geographic region and State, employment-size class of establishment, and by degree of primary product specialization.

**Area Series** (51 reports, Series MC67(3)-1 to 51). A separate report for each State and the District of Columbia presents data for industries and industry groups on value of shipments, value added by manufacturing, employment, payrolls, man-hours, new capital expenditures, inventories, and number of manufacturing establishments. Comparable statistics for earlier years are provided. Similar totals for all manufacturing industries are also shown for counties, standard metropolitan statistical areas and their central cities, and other cities with significant manufacturing activity. For selected standard metropolitan statistical areas and larger counties, data are shown by industry groups. The number of establishments in each major industry group is presented by size of establishment, county, standard metropolitan statistical area, and city.

**Summary and Subject Series** (about 12 reports, Series MC67(1)-1 to 12). Each report contains detailed final statistics for an individual subject, such as size of establishments, inventories, capital expenditures, fuels and electric energy, water consumption, and distribution of sales of manufactured products.

**Special Report Series** (about 8 reports, Series MC67(S)-1 to 8). Each report covers a subject such as concentration ratios in manufacturing; consumption of selected metal mill shapes and forms, by geographic area; industry descriptions; and manufacturing activity in government owned and operated establishments.

After separate final reports have been issued, they will be assembled and bound as follows:

- Volume I, Summary and Subject Statistics
- Volume II, Industry Statistics
- Volume III, Area Statistics

This report is a preprint of a corresponding chapter of U.S. Census of Manufactures: 1967, Volume 1, Summary and Subject Statistics

**Suggested Citation**

U.S. Bureau of the Census, Census of Manufactures, 1967

**SPECIAL REPORT SERIES: Concentration Ratios in Manufacturing, MC67(S)-2.1**

U.S. Government Printing Office, Washington, D. C., 1970

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D. C. 20402, or any Department of Commerce field office. Price 50 cents.



**BUREAU OF THE CENSUS**

**George Hay Brown, Director**

**Robert F. Drury, Deputy Director**

**Walter F. Ryan, Associate Director**

**Dino S. Villa, Deputy Associate Director**

**INDUSTRY DIVISION**

**Owen C. Gretton, Chief**

**ACKNOWLEDGMENTS**—This report was prepared in the Industry Division under the direction of Willis K. Jordan. Edward A. Robinson made major contributions to the formulation of concepts and definitions followed in the compilation of concentration-type data and participated importantly in the preparation of this report. Review and analysis of the data was carried out by the nine industry sections under the direction of the following sector heads: Robert J. Nealon, Foods, Textiles, and Apparel; Cyril M. Wildes, Chemicals and Wood Products; and Paul F. Berard, Metals and Metal Products.

Within the Industry Division, Milton Eisen gave general guidance and coordination to all aspects of the census of manufactures. Elmer S. Biles, assisted by John S. Berube, Clifford Bennett, and Kenneth I. Hansen, was responsible for the overall management of the census and was the Industry Division's liaison officer with other Divisions. Donald F. Clark and Carl J. Bostrom, under the direction of Jack L. Ogus, developed the mathematical techniques utilized in editing the data and in sampling the respondents. William Cooper had staff responsibility for industry classification and the system of classifying products and materials. Angela R. Daly coordinated, for the Division, the various phases of the publication process.

Systems and procedures were developed in the Systems Division, Sol Dolleck, Chief, by Eugene Wendt assisted by Samuel Schweid. Clerical procedures were developed by Alvin Barten, Evelyn V. Williams, Carmen Taylor, Geraldine Manuel, Carl Mueller, Thomas Lowenstein, and Jack Margolis. Electronic computer programs for check-in, geographic coding, and administrative records were developed and supervised by Charles Venters and Terence McDowell under the direction of Zigmund Decker and Andrew Grieco. Gene Hagg, James Moyers, Paul Poissant, and Stephan Potemkin developed and supervised the electronic computer editing and tabulation programs under the direction of Mary H. Johnson. Quality control plans and procedures were developed and supervised by Maxwell D. Jeane, assisted by John Powell and Carl Jablin. Data input procedures were developed and supervised by Leonard Tauber assisted by Paul Blackmer. Production controls were established under the supervision of Francis Boucher and James R. Pepal.

Processing of reports was performed by the Jeffersonville Census Operations Division, Joseph F. Arbena, Chief, by James S. Werking assisted by Margaret Rommel and Jordan Horne. Clerical processing was supervised by Charles Adams and quality control plans and procedures were implemented and monitored under the direction of Kathryn Clay.

Data processing and related operations were performed by the Processing Division, M. Douglas Fahey, Chief, assisted by R. M. Micol, James Shores, and E. R. Bourdon.

Report planning and editorial review were provided by Geraldine Censky and Frances Bresnahan of the Administrative and Publications Services Division.

Arthur Horowitz, in his capacity as the coordinator of the economic censuses, made important contributions to the planning and operational phases of the work. Robert Parker contributed in the analysis of reports for the large and complex corporate organizations. James Corbett developed the computer systems for disclosure analysis, assisted by Robert Reynolds.

Special acknowledgment is due to the many businesses whose cooperation has contributed to the publication of the data.



# 1967 CENSUS OF MANUFACTURES



MC67(S)-2.1

## Special Report

### Concentration Ratios in Manufacturing

#### Part 1

Issued August 1970



**U.S. DEPARTMENT OF COMMERCE** Maurice H. Stans, Secretary  
Rocco C. Siciliano, Under Secretary  
Harold C. Passer, Assistant Secretary for Economic Affairs  
**BUREAU OF THE CENSUS** George Hay Brown, Director

BUREAU OF THE CENSUS  
LIBRARY



## Contents

	page
Introduction . . . . .	1
<b>TABLE 1</b> Share of Total Value Added by Manufacture Accounted for by the Largest 200 Manufacturing Companies: 1967 and Earlier Years . . . . .	4
<b>2</b> Share of Total Value Added by Manufacture Accounted for by the 50 and 100 Largest Identical Manufacturing Companies in 1967 and Earlier Years . . . . .	4
<b>3</b> Changes in Rank of the 50 Largest Identical Companies: 1967 and Earlier Years . . . . .	5
<b>4</b> Share of Value Added, Employment, Payrolls, Value of Shipments and Capital Expenditures Accounted for by the 200 Largest Companies: 1967 and 1963 . . . . .	5
<b>5</b> Percent of Value of Shipments Accounted for by the Largest Companies in Each Manufacturing Industry: 1967 and Earlier Years . . . . .	7





# Introduction

**GENERAL**—This special report from the 1967 Census of Manufactures provides concentration ratios and other information on the share of industrial activity accounted for by the largest companies, both for the United States as a whole and for each of approximately 422 manufacturing industries. It brings forward the information published in the 1966 Annual Survey of Manufactures reports, *Value of Shipment Concentration Ratios by Industry*, M66(AS)-8 and M66(AS)-8 Supplement. The latter report was also published as chapter 9 of the 1966 Annual Survey of Manufactures volume.

The separate reports of the Census of Manufactures will subsequently be issued as portions of the three final census volumes—*Summary and Subject Statistics*, *Industry Statistics*, and *Area Statistics*. The "Introduction" to the final volumes of the Census of Manufactures will treat at greater length many of the subjects described in this introduction. For example, the volume text will discuss the relationship of value added by manufactures to national income by industrial origin, the changes in statistical concepts over the history of the census, and the valuation problems arising from intracompany transfers between manufacturing plants of a company and between manufacturing plants and sales offices and sales branches of a company.

The 1967 census is the 28th census of manufactures of the United States. The first census of manufactures covered 1809, and (with the exception of 1829) a census was taken at 10-year intervals in connection with the decennial census of population up to and including 1899. It was conducted at 5-year intervals from 1904 through 1919, and every other year from 1921 through 1939. The census was suspended during World War II, but it was resumed for 1947. Present legislation (Title 13, United States Code) provides for a census of manufactures every five years, with annual sample surveys authorized for interim years. Such "Annual Surveys of Manufactures" were taken during the years 1949 through 1953, 1955 through 1957, 1959 through 1962, 1964 through 1966, and for the year 1968. The current legislation stipulates that the census be conducted covering years ending in "2" and "7." Thus, the next census will be taken in 1973 covering manufacturing activity during 1972.

The 1967 Census of Manufactures was conducted jointly with the censuses of business (wholesale, retail, and services), construction, and mineral industries, covering the United States, Guam, and the Virgin Islands. Separate censuses of manufactures and business for 1967 were also conducted in Puerto Rico jointly with the Commonwealth Government.

**SCOPE OF CENSUS OF MANUFACTURES: DEFINITION OF MANUFACTURING INDUSTRIES**—The 1967 Census of Manufactures covers all establishments primarily engaged in manufacturing as defined in the 1967 edition of the *Standard Industrial Classification Manual*. The Standard Industrial Classification (SIC) is the system of industrial classification developed over a period of years by experts on classification in government and private industry under the guidance of the Bureau of the Budget. This system of classification is in general use among government agencies and also outside the government. In 1957, the system

was extensively revised and historical comparability of some data seriously affected. This revision and its effects on concentration ratios are discussed at length in the introductions to the 1958 and 1963 concentration reports.

The *Standard Industrial Classification Manual* defines manufacturing as the mechanical or chemical transformation of inorganic or organic substances into new products. The assembly of component parts of products is also considered to be manufacturing if the resulting product is neither a structure nor other fixed improvement. These activities are usually carried on in plants, factories, or mills, which characteristically use power-driven machines and materials-handling equipment.

Manufacturing production is usually carried on for the wholesale market, for transfers to other plants of the same company, or to the order of industrial users rather than for direct sale to the household consumer. Some manufacturers in a few industries sell chiefly at retail to household consumers through the mail, through house-to-house routes, or through salesmen. Some activities of a service nature (enameling, engraving, etc.) are included in manufacturing when they are performed primarily for the trade; but they are considered nonmanufacturing when they are performed primarily to the order of the household consumer.

**CONCENTRATION RATIOS AND THE ESTABLISHMENT BASIS OF REPORTING**—The census of manufactures is conducted on an establishment basis. That is, a company operating establishments at more than one location is required to submit a report for each location; also, companies engaged in distinctly different lines of activity at one location are required to submit separate reports if the plant records permit such a separation and if the activities are substantial in size.

Census tabulations of establishment reports, therefore, differ substantially from those prepared on a company basis; that is, from consolidated reports which not only combine activities at different locations (thereby eliminating interplant transfers) but also include the nonmanufacturing activities of companies primarily engaged in manufacturing.

The concentration ratios based on census of manufactures data have consistently been prepared from establishment reports. Virtually all other studies have been prepared on a consolidated company basis; that is, the entire sales or assets of a given company are tabulated under one industry heading. Under the establishment system, on the other hand, the shipments of a given company are distributed among all of the industries in which it has establishments. In tables 1 through 4 in this report, which reflect the activity of the largest companies in the industrial sector as a whole, the establishment approach means that only the manufacturing establishments of these companies are taken into account in determining their size. In table 5, a "company" is defined as the total of the individual establishments under one ownership within an industry. Consequently, the same company may appear in several industries, if it has diversified activities.



**THE CENSUS REPORT FORMS**—The 1967 Census of Manufactures, similar to all those since 1947, was primarily a mail canvass. The diversity of manufacturing activities made it necessary to use over 200 different report forms to canvass the approximately 422 manufacturing industries.

In the 1967 census, for the first time, the approximately 120,000 manufacturing firms with less than 10 employees were excused from filing reports. Under special arrangements which safeguarded the confidentiality of both tax and census records, limited data on payrolls, sales, and industry classification from the administrative records of the Social Security Administration and the Internal Revenue Service were made available to the Census Bureau for use in the 1967 economic censuses. The effect of this procedure on the comparability of the industry concentration ratios for 1967 with previous years was negligible.

**INDUSTRY CLASSIFICATION OF ESTABLISHMENTS**—Each of the establishments covered in the census was classified in one of approximately 422 manufacturing industries in accordance with the industry definitions embodied in the Standard Industrial Classification (SIC) system. Under this system of classification, an industry is generally defined as a group of establishments producing a single product or more or less closely related group of products. The product groupings from which industry classifications are derived are based on such considerations as whether they are typically produced by the same establishment, similarity of manufacturing processes, types of materials used, types of customers, and the like. The resulting group of plants must be significant in terms of their number, value added by manufacturing, value of shipments, and number of employees. The application of these criteria has led to the establishment of 422 manufacturing industries. The system operates in such a way that the definitions become progressively narrower with successive additions of numerical digits. At one extreme are the 21 very broad 2-digit groups and at the other about 10,000 individual 7-digit products. In between are approximately 150 3-digit groups, 422 4-digit industries, and 1,200 5-digit product classes. The 7-digit products and 5-digit product classes are considered the primary products of the industry with the same first four digits. Accordingly, an establishment is classified in a particular industry if its production of the primary products of that industry exceeds in value its production of products of any other single industry. In a few instances, however, the industry classification of an establishment is determined not only by the products it makes but also by the processes and materials employed in making those products.

**CONCENTRATION RATIOS AND THE SIC SYSTEM**—In essence, the system seeks to establish spheres of economic activity which are unique and distinguishable from other spheres because of a composite of similar characteristics which they have in common. These characteristics include similarity of products in terms of their uses and the bringing together of plants which specialize in making these products and account for a significant proportion of their total shipments. They also include similarity of processes, similarity of materials used, and the bringing together of a group of plants which are economically significant in terms of their number, value added by manufacture, value of shipments, and number of employees. These standards flow very largely from the actual structure into which American businesses have grouped themselves and it is these characteristics that make it the best single system for the largest number of uses. In the

great majority of instances, an industry is comprised of producers of similar goods or services. Usually, but not always, the products are made of similar materials and by similar processes and the producers usually compete with one another.

For the purpose of measuring concentration, the fact that the classification system is not based exclusively on the usage of the product is somewhat of a limitation, since in the economic concept of the market it is immaterial whether products which are substitutable for each other are produced by the same processes or made from the same materials. In some cases, the industry and product definitions are too broad; that is, there are included in the same category products which do not serve the same function and are thus not substitutable for each other. In other cases they are too narrow; that is, a single category fails to include products which are substitutable, for example, metal and glass containers.

Another limitation is the fact that the classification's industries and products are regularly being redefined. The need for redefinition arises particularly from the introduction of new products, the declining importance of older products, the introduction of new technologies, the growth of small fields into important industries, and similar dynamic developments. While necessary to keep the classification abreast of the changing nature of the economy, an inevitable cost of redefinition is the loss of comparability for many categories over time.

Among other limitations of concentration ratios, may be mentioned the problems associated with industries which have local or regional rather than national markets, and the necessity for using domestic production (or its approximate equivalent in shipments), rather than domestic consumption, as a measure of the size of the market. These and other qualifications are discussed at greater length in the introduction to the 1963 Census report, *Concentration Ratios in Manufacturing Industry, Part I*.

**CONFIDENTIALITY OF DATA FOR INDIVIDUAL COMPANIES**—The Bureau of the Census is prohibited by law from publishing any statistics that disclose information reported by individual companies. In suppressing figures to avoid disclosing information of individual companies, information which can be obtained by subtraction must be considered as well as that shown directly in the tables. Thus, a concentration ratio for the eight largest companies may be suppressed not because it is in itself a disclosure but because the difference in ratios between the top four and top eight is a disclosure.

**ABBREVIATIONS**—The following abbreviations and symbols occur frequently, both in the census tables and footnotes:

—	zero
X	not applicable
NA	not available
D	withheld to avoid disclosing figures for individual companies
n.e.c.	not elsewhere classified
n.s.k.	not specified by kind
SIC	Standard Industrial Classification



**TABLES 1 THROUGH 4**—These tables reflect the activity of the largest companies in the industrial sector as a whole. A "company" is defined for this purpose as the total of its industrial establishments, including not only its manufacturing plants but also auxiliary establishments such as warehouses and central administrative offices.

Concentration at this level is measured in terms of value added by manufacture. In these census tabulations, value added is preferable to sales or shipments in measuring total company size, since an aggregation of shipments from the census establishment records would contain duplication owing to intracompany transfers of products. Value added for all manufacturing establishments of a given company was aggregated irrespective of the industry classification of the individual establishments. The companies were then arrayed by magnitude of value added in each specified year and totals computed for the 50, 100, 150, and 200 largest companies.

The standard formula for calculating value added by manufacture since 1958 differs from the one used for the 1954 census and earlier years. During the earlier period, the value added of an establishment was calculated by subtracting the cost of materials, supplies, containers, fuels, purchased electric energy, and contract work from the value of shipments for products manufactured plus miscellaneous receipts for services rendered. This is known as unadjusted value added in census publications. Beginning with 1958, the measure of value added has been adjusted for each establishment in two respects. Value added now includes: (1) Value added by merchandising (that is, the difference between the sales value and cost of merchandise sold without further manufacture, processing or assembly); and (2) an adjustment for the net change in finished goods and work-in-process inventories between the beginning and the end of the year. The resulting figure is the adjusted value added.

Thus, the rankings of the 200 largest companies in 1947 and 1954 were based on unadjusted value added; those for later years were based on adjusted value added. The use of these different measures for determining size should have little effect on the ranking and relative shares of individual companies or on the aggregate shares of the 50, 100, 150, or 200 largest companies in each year.

Except for tables 2 and 3, companies were classified in size groups in each particular year based on their size in that year. Thus, a size group (such as the top four) does not necessarily include the same companies from year to year. The extent to which large companies have grown or declined over the years is reflected in tables 2 and 3. Table 3 shows, for example, that, of the companies which constituted the 50 largest in 1967, only 24 were among the 50 largest 20 years earlier.

TABLE 1. Share of Total Value Added by Manufacture Accounted for by the Largest 200 Manufacturing Companies: 1967 and Earlier Years

Company rank group	Percent of total value added by manufacture						
	1967	1966	1963	1962	1958	1954	1947
Largest 50 companies.....	25	25	25	24	23	23	17
Largest 100 companies.....	33	33	33	32	30	30	23
Largest 150 companies.....	38	38	37	36	35	34	27
Largest 200 companies.....	42	42	41	40	38	37	30

Note: 1962 and 1966 based on the Annual Survey of Manufactures, other years on the Census of Manufactures. "Largest companies" are those which were the largest in each of the specified years.

TABLE 2. Share of Total Value Added by Manufacture Accounted for by the 50 and 100 Largest Identical Manufacturing Companies in 1967 and Earlier Years

Specified year and company rank group (a)	Percent of value added by manufacture in each year accounted for by the largest companies in the specified year in column (a)						
	1967 (b)	1966 (c)	1963 (d)	1962 (e)	1958 (f)	1954 (g)	1947 (h)
<u>1967</u>							
Largest 50 companies.....	25	25	24	24	22	21	15
Largest 100 companies.....	33	33	32	31	29	28	20
<u>1966</u>							
Largest 50 companies.....	24	25	24	24	22	21	14
Largest 100 companies.....	32	33	32	31	29	28	21
<u>1963</u>							
Largest 50 companies.....	24	24	25	24	23	22	15
Largest 100 companies.....	32	33	33	32	30	29	22
<u>1962</u>							
Largest 50 companies.....	24	25	25	24	23	22	15
Largest 100 companies.....	33	33	32	32	30	29	21
<u>1958</u>							
Largest 50 companies.....	23	24	24	24	23	23	16
Largest 100 companies.....	31	31	32	31	30	29	22
<u>1954</u>							
Largest 50 companies.....	23	23	24	23	23	23	16
Largest 100 companies.....	31	31	31	30	30	30	21
<u>1947</u>							
Largest 50 companies.....	20	21	21	21	20	21	17
Largest 100 companies.....	27	27	28	27	27	27	23

Note: The 100 largest companies in each specified year were selected and their proportion of total value added by manufacture in each of the other years was computed. This table thus measures the changes in concentration ratios for a fixed group of companies from one year to another. In case of mergers, the larger of the two at the time of merger was considered to be the predecessor company.



TABLE 3. Changes in Rank of the 50 Largest Identical Companies: 1967 and Earlier Years

Specified year and company rank group	Number of companies in the rank group in--						
	1967	1966	1963	1962	1958	1954	1947
<u>1967</u>							
Among 50 largest.....	50	46	43	41	35	32	24
Among 51st to 100th largest.....	-	3	6	8	8	12	10
Among 101st to 200th largest.....	-	1	1	1	6	4	12
Not among 200 largest.....	-	-	-	-	1	2	4
<u>1966</u>							
Among 50 largest.....	46	50	42	43	36	33	25
Among 51st to 100th largest.....	3	-	8	6	9	12	10
Among 101st to 200th largest.....	-	-	-	1	4	3	12
Not among 200 largest.....	1	-	-	-	1	2	3
<u>1963</u>							
Among 50 largest.....	43	42	50	46	42	38	30
Among 51st to 100th largest.....	7	8	-	4	6	10	10
Among 101st to 200th largest.....	-	-	-	-	2	2	10
Not among 200 largest.....	-	-	-	-	-	-	-
<u>1962</u>							
Among 50 largest.....	41	43	46	50	42	38	29
Among 51st to 100th largest.....	9	7	4	-	7	11	10
Among 101st to 200th largest.....	-	-	-	-	1	1	10
Not among 200 largest.....	-	-	-	-	-	-	1
<u>1958</u>							
Among 50 largest.....	35	36	42	42	50	45	34
Among 51st to 100th largest.....	14	14	8	8	-	5	10
Among 101st to 200th largest.....	1	-	-	-	-	-	6
Not among 200 largest.....	-	-	-	-	-	-	-
<u>1954</u>							
Among 50 largest.....	32	33	38	38	45	50	35
Among 51st to 100th largest.....	16	16	11	11	4	-	11
Among 101st to 200th largest.....	1	-	1	1	1	-	3
Not among 200 largest.....	1	1	-	-	-	-	1
<u>1947</u>							
Among 50 largest.....	24	25	30	29	34	35	50
Among 51st to 100th largest.....	17	18	16	16	12	12	-
Among 101st to 200th largest.....	5	4	3	5	4	3	-
Not among 200 largest.....	4	3	1	-	-	-	-

Note: 1962 and 1966 based on the Annual Survey of Manufactures, other years on the Census of Manufactures.

The 50 largest companies in each specified year were selected and the rank group of the same companies determined in other years. This table thus measures the shifting of position of a fixed group of companies from one year to another. In case of mergers, the larger of the two at the time of the merger was considered to be the predecessor company.

Table 4. Share of Value Added, Employment, Payrolls, Value of Shipments and Capital Expenditures Accounted for by the 200 Largest Companies: 1967 and 1963

Company rank group based on value added by manufacture	Value added by manufacture	All employees <sup>1</sup>		Production workers			Value of shipments <sup>2</sup>	Capital expenditures (new)
		Number	Payroll	Number	Man-hours	Wages		
50 largest.....1967..	25	20	25	18	18	23	25	27
.....1963..	25	19	24	17	17	22	25	28
51st to 100th largest...1967..	8	6	7	5	6	6	8	13
.....1963..	8	6	8	6	6	7	9	10
101st to 150th largest..1967..	5	4	5	4	4	4	6	6
.....1963..	5	4	4	3	3	4	4	4
151st to 200th largest..1967..	4	4	3	3	3	3	4	4
.....1963..	4	3	3	2	2	3	4	4
200 largest.....1967..	42	34	40	30	31	37	43	51
.....1963..	41	31	39	28	29	36	42	46

Note: All percentages are independently rounded and do not necessarily add to totals.

<sup>1</sup>Includes employees in central administrative offices and auxiliaries serving manufacturing establishments.

<sup>2</sup>Includes a substantial but unmeasurable amount of duplication because of shipments of materials and products among manufacturing establishments for further processing.

**TABLE 5**—This table is based on the establishment approach described in the general introduction. A "company" is defined as the total of the individual establishments under one ownership within an industry. Consequently, the same company may appear in several industries if it has diversified activities. In addition, the following points should be kept in mind:

(1) The top four, eight, 20, and 50 companies are the largest for any particular year based on their value of shipments in that year and are therefore not necessarily the same companies from year to year.

(2) For a few industries, as indicated by footnotes, value added by manufacture rather than value of shipments has been used to determine the size of companies. This is considered necessary for industries in which the aggregate value of shipments contains a large amount of duplication because of shipments of semifinished products between establishments. An example is SIC 3585, Refrigeration Machinery, in which there are extensive intraindustry sales and transfers of components and subassemblies to producers of complete refrigerators and air conditioners. (The historical changes in the method for calculating value added by manufacture are described in the introduction to tables 1 through 4.)

(3) Ratios are shown for years prior to 1967 only if the SIC industry definitions were considered comparable. As noted in the general introduction, there were extensive revisions in the SIC in 1957 which, in table 5, result in suppression of data for 1958 and earlier years for a substantial number of industries. In general, the criteria used for judging the comparability of definitions was the effect of the change on number of employees in the industry under the old and new definitions. If the new definition caused more than a 2-percent change, the historical data were suppressed.

(4) The 1966 concentration ratios are based on data developed in the Annual Survey of Manufactures. Since the industry aggregates which provide the denominators in the concentration ratios are based on a sample, they are subject to sampling errors. In the 1966 concentration report referred to in the general introduction, sampling errors for each industry as well as a more complete description of the Annual Survey of Manufactures sample are shown.



TABLE 5. Percent of Value of Shipments Accounted for by the Largest Companies in Each Manufacturing Industry: 1967 and Earlier Years

Code	Industry and year <sup>1</sup>	Companies <sup>2</sup>  (number)	Value of shipments <sup>3</sup>				Primary product specialization ratio <sup>5</sup>  (percent)	Coverage ratio <sup>6</sup>  (percent)	
			Total  (million dollars)	Percent accounted for by-- <sup>4</sup>					
				4 largest companies	8 largest companies	20 largest companies			50 largest companies
		MAJOR GROUP 20. FOOD AND KINDRED PRODUCTS							
2011	Meatpacking plants.....1967....	2,529	<sup>7</sup> 2,220.5	26	38	50	62	98	85
	1966....	(NA)	<sup>7</sup> 2,025.5	27	39	(NA)	(NA)	(NA)	(NA)
	1963....	2,833	<sup>7</sup> 1,908.3	31	42	54	64	98	86
	1958....	2,646	<sup>7</sup> 1,677.1	34	46	57	65	98	88
	1954....	2,228	<sup>7</sup> 1,394.5	39	51	60	(NA)	98	87
	1947....	1,999	<sup>7</sup> 977.1	41	54	63	(NA)	(NA)	(NA)
2013	Sausages and other prepared meats.....1967....	1,294	<sup>7</sup> 742.5	15	22	34	51	96	46
	1966....	(NA)	<sup>7</sup> 624.6	16	23	(NA)	(NA)	(NA)	(NA)
	1963....	1,273	<sup>7</sup> 563.4	16	23	35	51	94	38
2015	Poultry dressing plants.....1967....	709	2,936.1	15	23	35	51	99	98
	1966....	(NA)	2,754.1	17	24	(NA)	(NA)	(NA)	(NA)
	1963....	842	2,240.9	14	20	30	47	98	98
2021	Creamery butter.....1967....	510	958.8	15	22	36	60	71	75
	1966....	(NA)	975.6	(S)	(S)	(NA)	(NA)	(NA)	(NA)
	1963....	725	988.8	11	19	31	48	69	77
	1958....	997	947.4	11	18	28	45	70	80
	1954....	1,172	926.4	16	24	34	(NA)	74	77
	1947 <sup>8</sup> ....	1,482	844.7	18	24	32	(NA)	79	84
2022	Cheese, natural and process.....1967....	891	1,707.8	44	51	61	72	93	98
	1966....	(NA)	1,552.3	44	51	(NA)	(NA)	(NA)	(NA)
	1963....	982	1,170.8	44	51	59	69	93	96
2023	Condensed and evaporated milk.....1967....	179	1,263.0	41	56	74	90	82	71
	1966....	(NA)	1,099.5	45	59	(NA)	(NA)	(NA)	(NA)
	1963....	167	937.9	40	53	71	90	80	66
2024	Ice cream and frozen desserts.....1967....	713	1,059.4	33	43	60	73	97	73
	1966....	(NA)	1,142.2	33	44	(NA)	(NA)	(NA)	(NA)
	1963....	901	1,076.5	37	48	64	74	93	74
	1958....	1,171	877.7	38	48	59	69	94	71
	1954....	1,375	727.4	36	45	57	(NA)	93	70
	1947 <sup>8</sup> ....	1,273	611.8	40	48	57	(NA)	90	87
2026	Fluid milk.....1967....	2,988	7,826.0	22	30	42	51	90	96
	1966....	(NA)	7,434.9	23	30	(NA)	(NA)	(NA)	(NA)
	1963....	4,030	7,025.9	23	30	40	48	90	95
	1958....	5,008	5,802.0	23	29	37	45	90	95
	1954 <sup>9</sup> ....	(NA)	4,586.8	22	28	(NA)	(NA)	(NA)	(NA)
2031	Canned and cured seafoods.....1967....	268	<sup>11</sup> 523.1	44	59	73	85	92	95
	1966....	(NA)	<sup>11</sup> 548.1	42	56	(NA)	(NA)	(NA)	(NA)
	1963 <sup>10</sup> ....	345	<sup>11</sup> 452.5	38	51	66	80	92	95
2032	Canned specialties.....1967....	150	<sup>11</sup> 1,361.9	69	83	94	99	82	91
	1966....	(NA)	<sup>11</sup> 1,456.9	63	79	(NA)	(NA)	(NA)	(NA)
	1963....	154	<sup>11</sup> 1,169.3	67	83	94	99	80	91
2033	Canned fruits and vegetables.....1967....	930	<sup>11</sup> 3,467.8	22	34	52	70	90	93
	1966....	(NA)	<sup>11</sup> 3,215.8	24	35	(NA)	(NA)	(NA)	(NA)
	1963....	1,135	<sup>11</sup> 2,742.8	24	34	50	66	89	91
2034	Dehydrated foods products.....1967....	134	420.8	32	50	75	96	94	86
	1966....	(NA)	395.2	31	50	(NA)	(NA)	(NA)	(NA)
	1963....	126	318.7	37	56	80	96	96	89
	1958....	130	267.3	45	66	82	98	97	93
	1954....	119	192.2	48	69	87	(NA)	95	97
	1947....	120	51.1	56	71	86	(NA)	96	90
2035	Pickles, sauces, salad dressing.....1967....	479	<sup>11</sup> 818.9	33	44	62	80	81	80
	1966....	(NA)	<sup>11</sup> 817.5	33	44	(NA)	(NA)	(NA)	(NA)
	1963....	541	<sup>11</sup> 677.3	36	46	64	79	79	82
2036	Fresh or frozen packaged fish.....1967....	463	<sup>11</sup> 557.4	26	38	56	72	97	94
	1966....	(NA)	<sup>11</sup> 492.7	33	48	(NA)	(NA)	(NA)	(NA)
	1963....	528	<sup>11</sup> 391.2	25	38	53	68	95	94
	1958....	429	<sup>11</sup> 282.7	18	30	47	68	93	96
	1954 <sup>12</sup> ....	288	<sup>11</sup> 164.6	24	37	56	(NA)	94	95
2037	Frozen fruits and vegetables.....1967....	495	<sup>11</sup> 2,081.6	24	36	55	74	92	90
	1966....	(NA)	<sup>11</sup> 1,884.6	24	37	(NA)	(NA)	(NA)	(NA)
	1963....	566	<sup>11</sup> 1,548.7	24	37	54	70	89	89

See footnotes at end of table.

TABLE 5. Percent of Value of Shipments Accounted for by the Largest Companies in Each Manufacturing Industry: 1967 and Earlier Years-Continued

Code	Industry and year <sup>1</sup>	Companies <sup>2</sup>  (number)	Value of shipments <sup>3</sup>				Primary product specialization ratio <sup>5</sup> (percent)	Coverage ratio <sup>6</sup> (percent)		
			Total  (million dollars)	Percent accounted for by-- <sup>4</sup>						
				4 largest companies	8 largest companies	20 largest companies			50 largest companies	
MAJOR GROUP 20. FOOD AND KINDRED PRODUCTS--Continued										
2041	Flour and other grain mill products.....	1967....	438	2,457.4	30	46	70	89	93	78
		1966....	(NA)	2,344.9	31	47	(NA)	(NA)	(NA)	(NA)
		1963....	510	2,176.5	35	50	71	88	94	78
		1958....	703	1,970.0	38	51	68	85	93	85
		1954....	692	1,858.9	40	52	68	(NA)	94	84
		1947....	1,084	2,526.6	29	41	57	(NA)	92	92
		1935....	(NA)	853.2	29	37	(NA)	(NA)	(NA)	(NA)
2042	Prepared feeds for animals and fowls.....	1967....	1,835	4,796.9	23	31	42	58	97	94
		1966....	(NA)	4,438.4	23	31	(NA)	(NA)	(NA)	(NA)
		1963....	2,150	3,880.1	22	28	40	54	96	93
		1958....	2,016	2,942.0	22	30	43	56	97	91
		1954....	2,037	2,702.3	21	29	43	(NA)	95	90
		1947....	2,372	2,112.2	19	27	40	(NA)	95	89
		1935....	(NA)	(NA)	23	34	(NA)	(NA)	(NA)	(NA)
2043	Cereal preparations.....	1967....	30	793.0	88	97	99+	100	81	82
		1966....	(NA)	742.9	87	(S)	(NA)	(NA)	(NA)	(NA)
		1963....	35	625.1	86	96	99+	100	80	86
		1958....	34	433.0	83	95	99+	100	80	81
		1954....	37	345.8	88	95	99+	100	77	80
		1947....	55	284.3	79	91	98	(NA)	68	87
		1935....	(NA)	(NA)	68	82	(NA)	(NA)	(NA)	(NA)
2044	Rice milling.....	1967....	54	548.4	46	68	89	99+	100	98
		1966....	(NA)	457.6	45	(S)	(NA)	(NA)	(NA)	(NA)
		1963....	62	423.0	44	66	86	99+	100	100
		1958....	61	282.3	43	64	84	99	100	100
		1954....	65	266.9	41	60	81	(NA)	99	100
		1947....	75	224.7	33	48	72	(NA)	100	100
		1935....	(NA)	(NA)	38	52	(NA)	(NA)	(NA)	(NA)
2045	Blended and prepared flour.....	1967....	126	547.5	68	82	93	98	78	63
		1966....	(NA)	502.9	69	(S)	(NA)	(NA)	(NA)	(NA)
		1963....	140	434.0	70	82	92	98	78	62
2046	Wet corn milling.....	1967....	32	751.3	68	89	99+	100	84	96
		1966....	(NA)	755.3	67	90	(NA)	(NA)	(NA)	(NA)
		1963....	49	622.4	71	93	99	100	83	93
		1958....	53	522.0	73	92	99	99+	91	96
		1954....	54	458.4	75	93	99	99+	91	96
		1947....	47	460.0	77	95	99+	100	88	96
		1935....	(NA)	(NA)	79	95	(NA)	(NA)	(NA)	(NA)
2051	Bread, cake, and related products.....	1967....	3,445	5,102.7	26	38	47	58	97	99
		1966....	(NA)	5,007.2	25	37	(NA)	(NA)	(NA)	(NA)
		1963....	4,339	4,506.0	23	35	45	56	98	99
		1958....	5,305	3,699.5	22	33	42	51	98	99
		1954....	5,470	3,067.0	20	31	40	(NA)	98	99
		1947....	5,985	2,403.6	16	26	36	(NA)	98	99
2052	Cookies and crackers.....	1967....	286	1,363.8	59	70	82	91	97	93
		1966....	(NA)	1,327.3	59	68	(NA)	(NA)	(NA)	(NA)
		1963....	286	1,150.1	59	68	80	91	97	95
2061	Raw cane sugar <sup>10</sup> .....	1967....	61	368.5	43	65	82	99+	100	100
		1966....	(NA)	313.5	50	72	(NA)	(NA)	(NA)	(NA)
		1963....	50	378.7	47	65	82	100	99	100
2062	Cane sugar refining <sup>10</sup> .....	1967....	22	1,375.7	59	82	99+	100	100	100
		1966....	(NA)	1,219.9	63	87	(NA)	(NA)	(NA)	(NA)
		1963....	16	1,271.2	63	83	100	(X)	100	100
2063	Beet sugar.....	1967....	15	560.7	66	96	100	(X)	100	100
		1966....	(NA)	579.5	68	97	(NA)	(NA)	(NA)	(NA)
		1963....	11	564.1	66	97	100	(X)	100	100
		1958....	15	382.1	64	94	100	(X)	100	100
		1954....	15	291.2	66	96	100	(X)	100	100
		1947....	17	262.9	68	94	100	(X)	100	100
		1935....	(NA)	(NA)	68	89	(NA)	(NA)	(NA)	(NA)
2071	Confectionery products.....	1967....	1,091	1,870.2	25	35	52	69	97	94
		1966....	(NA)	1,681.5	24	34	(NA)	(NA)	(NA)	(NA)
		1963....	1,142	1,454.5	15	25	45	64	95	95
		1958....	1,301	1,170.1	18	27	44	62	96	96
		1954....	1,388	992.6	19	27	43	(NA)	95	96
		1947....	1,620	994.9	17	25	39	(NA)	97	97
		1935....	(NA)	(NA)	12	19	(NA)	(NA)	(NA)	(NA)

See footnotes at end of table.



TABLE 5. Percent of Value of Shipments Accounted for by the Largest Companies in Each Manufacturing Industry: 1967 and Earlier Years—Continued

Code	Industry and year <sup>1</sup>	Companies <sup>2</sup>  (number)	Value of shipments <sup>3</sup>				Primary product specialization ratio <sup>5</sup> (percent)	Coverage ratio <sup>6</sup> (percent)	
			Total  (million dollars)	Percent accounted for by-- <sup>4</sup>					
				4 largest companies	8 largest companies	20 largest companies	50 largest companies		
MAJOR GROUP 20. FOOD AND KINDRED PRODUCTS--Continued									
2072	Chocolate and cocoa products.....1967....	27	520.5	77	89	99+	100	96	75
	.....1966....	(NA)	471.0	78	90	(NA)	(NA)	(NA)	(NA)
	.....1963....	24	479.1	75	87	99+	100	99	82
	.....1958....	26	446.8	71	84	98	100	98	87
	.....1954....	27	423.8	70	83	98	100	98	89
	.....1947....	31	349.9	68	81	96	100	99	100
	.....1935....	(NA)	(NA)	67	77	(NA)	100	(NA)	(NA)
2073	Chewing gum.....1967....	19	303.7	86	96	100	(X)	86	95
	.....1966....	(NA)	281.7	88	96	(NA)	(NA)	(NA)	(NA)
	.....1963....	20	224.8	90	97	100	(X)	88	96
	.....1958....	24	184.3	89	96	99+	100	91	96
	.....1954....	27	158.1	86	94	99+	100	95	98
	.....1947....	35	148.3	70	87	98	100	(D)	(D)
	.....1935....	(NA)	(NA)	97	97	(NA)	(NA)	(NA)	(NA)
2082	Malt liquors.....1967....	125	2,929.7	40	59	86	98	100	100
	.....1966....	(NA)	2,699.9	39	56	(NA)	(NA)	(NA)	(NA)
	.....1963 <sup>13</sup> ....	171	2,315.1	34	52	78	94	100	100
	.....1958....	211	1,979.7	28	44	68	88	100	100
	.....1954....	263	1,857.1	27	41	60	(NA)	100	100
	.....1947....	404	1,316.0	21	30	44	(NA)	100	99
	.....1935....	(NA)	(NA)	11	17	(NA)	(NA)	(NA)	(NA)
2083	Malt.....1967....	32	216.5	39	62	94	100	97	100
	.....1966....	(NA)	205.5	41	64	(NA)	(NA)	(NA)	(NA)
	.....1963....	29	183.5	38	62	95	100	100	95
	.....1958....	32	183.4	50	70	95	100	100	98
	.....1954....	35	202.0	49	69	93	100	100	100
	.....1947....	41	256.2	49	69	92	100	100	100
	.....1935....	(NA)	(NA)	44	65	(NA)	(NA)	(NA)	(NA)
2084	Wines, brandy and brandy spirits <sup>14</sup> .....1967....	175	<sup>7</sup> 196.8	48	63	81	68	97	94
	.....1966....	(NA)	<sup>7</sup> 193.4	41	56	(NA)	(NA)	(NA)	(NA)
	.....1963....	194	<sup>7</sup> 137.3	44	62	76	90	98	99
	.....1958....	216	<sup>7</sup> 101.7	35	50	70	87	98	96
	.....1954....	244	<sup>7</sup> 96.7	38	54	71	(NA)	(NA)	(NA)
	.....1947....	379	<sup>7</sup> 95.0	26	42	55	(NA)	(NA)	100
2085	Distilled liquor, except brandy.....1967....	70	<sup>11</sup> 1,364.2	54	71	88	99	98	98
	.....1966....	(NA)	<sup>11</sup> 1,331.6	55	72	(NA)	(NA)	(NA)	(NA)
	.....1963....	70	<sup>11</sup> 1,090.5	58	74	92	99	98	99
	.....1958....	88	<sup>11</sup> 830.2	60	77	94	99	98	100
	.....1954....	98	<sup>11</sup> 711.3	64	79	93	(NA)	99+	100
	.....1947....	144	<sup>11</sup> 870.2	75	86	95	(NA)	99	99
	.....1935....	(NA)	(NA)	51	71	(NA)	(NA)	(NA)	(NA)
2086	Bottled and canned soft drinks.....1967....	3,057	3,173.2	13	20	28	38	98	96
	.....1966....	(NA)	2,734.9	14	20	(NA)	(NA)	(NA)	(NA)
	.....1963....	3,569	2,210.9	12	17	24	34	98	95
	.....1958....	3,989	1,434.9	11	15	22	28	98	98
	.....1954....	4,334	1,113.1	10	14	21	(NA)	98	99
	.....1947....	5,169	748.2	10	14	20	(NA)	99	99
	.....1935....	(NA)	(NA)	8	13	(NA)	(NA)	(NA)	(NA)
2087	Flavorings extracts and sirups, n.e.c.....1967....	401	1,009.1	67	75	82	90	94	85
	.....1966....	(NA)	974.4	63	71	(NA)	(NA)	(NA)	(NA)
	.....1963....	492	729.7	62	70	78	86	90	78
	.....1958....	498	494.9	55	67	78	87	90	83
	.....1954....	530	446.1	53	63	75	(NA)	91	87
	.....1947....	582	313.6	50	58	68	(NA)	93	89
	.....1935....	(NA)	(NA)	47	54	(NA)	(NA)	(NA)	(NA)
2091	Cottonseed oil mills.....1967....	91	405.9	42	60	80	96	85	85
	.....1966....	(NA)	560.8	38	56	(NA)	(NA)	(NA)	(NA)
	.....1963....	115	555.2	41	56	72	91	89	91
	.....1958....	125	383.4	42	54	71	91	92	92
	.....1954....	145	546.4	47	57	72	(NA)	96	93
	.....1947....	177	518.1	43	55	68	(NA)	90	99
	.....1935....	(NA)	187.9	32	43	(NA)	(NA)	(NA)	(NA)
2092	Soybean oil mills.....1967....	60	2,148.3	55	76	94	100	86	96
	.....1966....	(NA)	2,009.8	57	78	(NA)	(NA)	(NA)	(NA)
	.....1963....	68	1,473.4	50	70	88	99+	89	95
	.....1958....	<sup>15</sup> 66	999.2	40	63	86	99+	87	94
	.....1954....	55	826.4	41	64	89	(NA)	88	96
	.....1947....	105	585.7	44	63	81	(NA)	96	80

See footnotes at end of table.

TABLE 5. Percent of Value of Shipments Accounted for by the Largest Companies in Each Manufacturing Industry: 1967 and Earlier Years-Continued

Code	Industry and year <sup>1</sup>	Companies <sup>2</sup>  (number)	Value of shipments <sup>3</sup>				Primary product special- ization ratio <sup>5</sup>  (percent)	Coverage ratio <sup>6</sup>  (percent)		
			Total  (million dollars)	Percent accounted for by-- <sup>4</sup>						
				4 largest companies	8 largest companies	20 largest companies			50 largest companies	
MAJOR GROUP 20. FOOD AND KINDRED PRODUCTS--Continued										
2093	Vegetable oil mills, n.e.c.....	1967....	34	236.7	56	78	99	100	80	74
		1966....	(NA)	(265.7)	53	76	(NA)	(NA)	(NA)	(NA)
		1963....	39	234.2	58	83	99	100	84	83
		1958 <sup>16</sup> ..	38	216.1	66	93	(NA)	100	80	93
2094	Animal and marine fats and oils.....	1967....	477	557.9	28	36	49	66	94	67
		1966....	(NA)	(765.3)	25	32	(NA)	(NA)	(NA)	(NA)
		1963....	516	474.0	23	31	43	61	94	66
		1958 <sup>17</sup> ..	(NA)	362.4	20	30	(NA)	(NA)	(NA)	(NA)
2095	Roasted coffee.....	1967....	206	2,092.2	53	71	87	96	91	99
		1966....	(NA)	2,082.5	54	70	(NA)	(NA)	(NA)	(NA)
		1963....	261	1,868.1	52	68	84	94	90	99
2096	Shortening and cooking oils.....	1967....	63	1,725.6	43	67	93	99+	87	86
		1966....	(NA)	1,687.4	47	73	(NA)	(NA)	(NA)	(NA)
		1963....	65	1,324.3	42	64	92	99+	88	89
		1958 <sup>18</sup> ..	62	1,152.6	44	69	(NA)	(NA)	93	90
2097	Manufactured ice.....	1967....	688	99.5	33	42	50	61	100	99
		1966....	(NA)	124.2	(S)	(S)	(NA)	(NA)	(NA)	(NA)
		1963....	862	122.6	32	39	48	59	99	100
		1958....	1,099	130.1	31	41	49	59	99	99
		1954....	1,430	143.3	26	32	41	(NA)	100	97
		1947....	2,206	273.4	22	30	40	(NA)	100	98
		1935....	(NA)	(NA)	20	28	(NA)	(NA)	(NA)	(NA)
2098	Macaroni and spaghetti.....	1967....	190	266.0	31	48	73	93	97	98
		1966....	(NA)	237.7	31	46	(NA)	(NA)	(NA)	(NA)
		1963....	207	222.9	31	47	71	91	96	94
		1958....	205	167.5	25	41	64	87	97	98
		1954....	226	149.7	26	37	58	(NA)	98	95
		1947....	219	112.1	23	35	56	(NA)	98	99
		1935....	(NA)	(NA)	16	26	(NA)	(NA)	(NA)	(NA)
2099	Food preparations, n.e.c.....	1967....	1,824	2,413.3	24	35	51	66	90	82
		1966....	(NA)	2,206.0	26	37	(NA)	(NA)	(NA)	(NA)
		1963....	1,977	1,797.3	24	33	48	64	91	78
MAJOR GROUP 21. TOBACCO MANUFACTURES										
2111	Cigarettes.....	1967....	8	3,044.6	81	100	(X)	(X)	97	100
		1966....	(NA)	<sup>11</sup> 2,860.3	81	100	(NA)	(NA)	(NA)	(NA)
		1963....	7	<sup>11</sup> 2,655.3	80	100	(X)	(X)	97	100
		1958....	12	<sup>11</sup> 2,159.1	79	99+	100	(X)	99	100
		1954....	12	<sup>11</sup> 1,641.0	82	99+	100	(X)	99	100
		1947....	19	<sup>11</sup> 1,131.9	90	99+	100	(X)	96	100
		1935....	(NA)	(NA)	89	99	(NA)	(NA)	(NA)	(NA)
2121	Cigars.....	1967....	126	363.7	59	83	96	99+	100	98
		1966....	(NA)	<sup>11</sup> 378.8	58	82	(NA)	(NA)	(NA)	(NA)
		1963....	164	<sup>11</sup> 358.5	59	81	92	99	100	100
		1958....	247	<sup>11</sup> 351.6	54	75	86	96	100	100
		1954....	375	<sup>11</sup> 339.5	44	64	80	(NA)	99	100
		1947....	765	<sup>11</sup> 311.4	41	57	76	(NA)	99	100
		1935....	(NA)	(NA)	38	50	(NA)	(NA)	(NA)	(NA)
2131	Chewing and smoking tobacco.....	1967....	41	122.2	51	81	98	100	96	58
		1966....	(NA)	<sup>11</sup> 146.9	59	82	(NA)	(NA)	(NA)	(NA)
		1963....	45	<sup>11</sup> 139.5	58	83	98	100	97	61
		1958....	52	<sup>11</sup> 173.7	57	82	98	99+	98	88
		1954....	58	<sup>11</sup> 161.7	58	82	99	(NA)	96	89
		1947....	65	<sup>11</sup> 140.1	61	81	98	(NA)	98	86
		1935....	(NA)	(NA)	56	84	(NA)	(NA)	(NA)	(NA)
2141	Tobacco stemming and redrying.....	1967....	54	1,373.1	63	87	97	99+	100	99
		1966....	(NA)	<sup>11</sup> 1,386.8	69	91	(NA)	(NA)	(NA)	(NA)
		1963....	59	<sup>11</sup> 1,366.6	70	92	97	99+	100	100
		1958....	64	<sup>11</sup> 1,037.0	73	90	96	99+	100	100
		1954....	72	<sup>11</sup> 1,043.2	79	91	96	(NA)	100	99
		1947....	93	<sup>11</sup> 957.8	88	95	97	(NA)	100	98

See footnotes at end of table.



TABLE 5. Percent of Value of Shipments Accounted for by the Largest Companies in Each Manufacturing Industry: 1967 and Earlier Years—Continued

Code	Industry and year <sup>1</sup>	Companies <sup>2</sup>  (number)	Value of shipments <sup>3</sup>				Primary product specialization ratio <sup>5</sup> (percent)	Coverage ratio <sup>6</sup> (percent)		
			Total  (million dollars)	Percent accounted for by-- <sup>4</sup>						
				4 largest companies	8 largest companies	20 largest companies	50 largest companies			
MAJOR GROUP 22. TEXTILE MILL PRODUCTS										
2211	Weaving mills, cotton.....	1967....	218	3,327.7	30	48	68	88	87	79
		1966....	(NA)	3,561.9	30	48	(NA)	(NA)	(NA)	(NA)
		1963....	229	3,104.1	30	46	67	87	92	80
		1958....	321	2,719.4	25	40	59	79	94	82
		1954....	413	2,789.6	18	29	49	(NA)	94	84
		1947....	(19)	2,912.7	(19)	(19)	(19)	(19)	(19)	(19)
2221	Weaving mills, synthetics.....	1967....	272	2,289.6	46	54	68	86	85	74
		1966....	(NA)	2,240.9	40	50	(NA)	(NA)	(NA)	(NA)
		1963....	277	1,722.4	39	48	64	82	86	82
		1958....	328	1,230.7	34	44	62	78	85	88
		1954....	396	1,142.6	30	39	55	(NA)	87	90
		1947....	432	1,002.9	31	39	56	(NA)	85	(NA)
2231	Weaving and finishing mills, wool.....	1967....	262	1,090.0	55	62	76	88	82	96
		1966....	(NA)	1,166.8	56	62	(NA)	(NA)	(NA)	(NA)
		1963....	304	1,010.7	51	58	71	85	86	96
2241	Narrow fabric mills <sup>20</sup> .....	1967....	345	445.1	19	31	48	70	94	96
		1966....	(NA)	427.8	23	35	(NA)	(NA)	(NA)	(NA)
		1963....	350	349.1	20	30	47	68	91	97
		1958....	455	289.1	16	26	41	62	94	97
		1954....	489	250.2	13	21	37	(NA)	96	94
		1947....	445	215.2	17	25	41	(NA)	95	98
2251	Women's hosiery, except socks.....	1967....	302	835.0	32	44	64	82	97	95
		1966....	(NA)	733.7	34	45	(NA)	(NA)	(NA)	(NA)
		1963....	363	606.6	34	47	64	79	96	94
2252	Hosiery, n.e.c.....	1967....	423	550.1	25	32	46	65	90	95
		1966....	(NA)	576.4	22	28	(NA)	(NA)	(NA)	(NA)
		1963....	504	451.1	18	25	38	58	91	96
2253	Knit outerwear mills <sup>21</sup> .....	1967....	1,156	1,288.0	15	22	33	47	93	65
		1966....	(NA)	1,273.1	14	21	(NA)	(NA)	(NA)	(NA)
		1963....	1,175	1,045.5	11	16	27	43	93	68
		1958....	1,111	744.3	7	10	20	35	91	74
		1954....	1,081	544.1	6	10	20	(NA)	93	73
		1947....	1,193	330.5	8	13	24	(NA)	91	82
2254	Knit underwear mills <sup>21</sup> .....	1967....	99	445.3	36	54	77	95	85	35
		1966....	104	364.8	33	54	(NA)	(NA)	(NA)	(NA)
		1963....	104	364.8	33	52	73	93	89	38
		1958....	133	299.5	28	43	64	87	88	89
		1954....	140	256.3	26	40	64	(NA)	88	(NA)
		1947....	140	295.4	21	34	57	(NA)	87	70
2256	Knit fabric mills.....	1967....	489	1,362.2	15	24	42	65	97	92
		1966....	(NA)	1,143.6	16	25	(NA)	(NA)	(NA)	(NA)
		1963....	487	817.4	18	25	42	65	95	93
		1958....	336	486.1	18	30	51	72	94	90
		1954....	324	377.4	17	29	51	(NA)	94	91
		1947....	297	197.5	27	37	56	(NA)	93	88
2259	Knitting mills, n.e.c. <sup>21</sup> .....	1967....	61	38.8	54	71	89	99	96	19
		1966....	(NA)	(55.4)	32	(S)	(NA)	(NA)	(NA)	(NA)
		1963....	86	40.7	34	50	75	96	93	22
		1958 <sup>22</sup> ....	71	29.2	34	54	(NA)	(NA)	91	78
2261	Finishing plants, cotton.....	1967....	202	893.9	42	59	64	87	75	58
		1966....	(NA)	853.9	44	60	(NA)	(NA)	(NA)	(NA)
		1963....	220	869.7	45	59	77	92	81	2360
2262	Finishing plants, synthetic.....	1967....	212	550.2	37	49	63	81	90	45
		1966....	(NA)	550.3	42	54	(NA)	(NA)	(NA)	(NA)
		1963....	193	323.7	31	44	61	81	91	2446
2269	Finishing plants, n.e.c.....	1967....	187	290.9	29	44	64	86	84	52
		1966....	(NA)	273.0	32	48	(NA)	(NA)	(NA)	(NA)
		1963....	174	206.9	32	47	68	86	89	2564
2271	Woven carpets and rugs.....	1967....	55	104.7	76	93	99	99+	84	84
		1966....	(NA)	7115.7	75	88	(NA)	(NA)	(NA)	(NA)
		1963....	56	7120.0	67	88	98	99+	77	92
2272	Tufted carpets and rugs.....	1967....	210	1,426.9	26	41	67	87	96	99
		1966....	(NA)	1,206.4	26	43	(NA)	(NA)	(NA)	(NA)
		1963....	167	801.8	25	41	65	87	96	96

See footnotes at end of table.

TABLE 5. Percent of Value of Shipments Accounted for by the Largest Companies in Each Manufacturing Industry: 1967 and Earlier Years—Continued

Code	Industry and year <sup>1</sup>	Companies <sup>2</sup>  (number)	Value of shipments <sup>3</sup>				Primary product specialization ratio <sup>5</sup> (percent)	Coverage ratio <sup>6</sup> (percent)	
			Total  (million dollars)	Percent accounted for by-- <sup>4</sup>					
				4 largest companies	8 largest companies	20 largest companies	50 largest companies		
MAJOR GROUP 22. TEXTILE MILL PRODUCTS--Continued									
2279	Carpets and rugs, n.e.c.....1967....	78	90.2	78	84	93	99	83	69
	1966....	(NA)	75.4	67	75	(NA)	(NA)	(NA)	(NA)
	1963....	103	29.6	32	49	76	95	89	46
2281	Yarn mills, except wool.....1967....	256	1,422.5	21	31	51	73	95	84
	1966....	(NA)	1,478.5	19	30	(NA)	(NA)	(NA)	(NA)
	1963....	234	1,067.0	17	27	46	68	96	2 <sup>6</sup> 83
2282	Throwing and winding mills.....1967....	159	568.0	50	62	79	93	97	91
	1966....	(NA)	438.4	51	65	(NA)	(NA)	(NA)	(NA)
	1963....	165	319.3	43	59	78	92	95	87
2283	Wool yarn mills.....1967....	127	361.5	26	42	68	91	79	80
	1966....	(NA)	407.3	29	45	(NA)	(NA)	(NA)	(NA)
	1963....	136	422.2	26	41	65	90	85	82
2284	Thread mills <sup>20</sup> .....1967....	63	256.6	62	81	95	99+	90	90
	1966....	(NA)	264.3	62	80	(NA)	(NA)	(NA)	(NA)
	1963....	59	194.1	68	85	96	99+	93	90
	1958....	72	175.5	66	79	93	99+	90	91
	1954....	84	183.7	66	78	92	(NA)	88	94
	1947....	83	154.3	65	78	90	(NA)	85	(NA)
2291	Felt goods, n.e.c.....1967....	33	133.6	61	80	98	100	76	72
	1966....	(NA)	144.9	59	80	(NA)	(NA)	(NA)	(NA)
	1963....	28	134.0	54	75	98	100	86	88
	1958....	27 61	91.4	45	66	94	99+	89	86
	1954....	65	92.9	41	65	92	(NA)	90	92
	1947....	37	59.8	56	81	97	100	95	97
	1935....	(NA)	(NA)	61	81	(NA)	(NA)	(NA)	(NA)
2292	Lace goods.....1967....	134	65.7	31	52	74	92	99	94
	1966....	(NA)	(52.6)	36	62	(NA)	(NA)	(NA)	(NA)
	1963....	28 145	53.0	27	47	71	89	98	91
	1958....	27 204	61.9	21	36	63	82	98	95
	1954....	133	59.8	23	39	64	(NA)	99	94
	1947....	93	68.7	26	47	77	(NA)	94	97
	1935....	(NA)	(NA)	38	59	(NA)	(NA)	(NA)	(NA)
2293	Padding and upholstery filling.....1967....	133	168.1	34	50	69	88	86	82
	1966....	(NA)	204.6	29	41	(NA)	(NA)	(NA)	(NA)
	1963....	28 168	156.5	28	42	64	85	84	81
	1958....	177	132.2	25	38	60	81	92	88
	1954....	179	148.8	32	50	69	(NA)	91	90
	1947....	124	110.4	41	53	74	(NA)	96	92
2294	Processed textile waste.....1967....	132	91.5	36	50	70	89	96	92
	1966....	(NA)	118.7	41	49	(NA)	(NA)	(NA)	(NA)
	1963....	28 137	87.5	38	52	69	87	95	86
	1958....	27 181	80.8	21	34	56	79	96	93
	1954....	198	85.0	18	31	55	(NA)	96	93
	1947....	177	57.3	23	35	57	(NA)	94	91
2295	Coated fabric, not rubberized.....1967....	157	616.2	31	48	70	88	87	89
	1966....	(NA)	595.2	32	49	(NA)	(NA)	(NA)	(NA)
	1963....	149	435.7	34	54	79	92	86	83
	1958....	122	249.8	42	57	76	95	82	80
	1954....	103	212.3	43	61	82	(NA)	86	82
	1947....	106	162.6	34	53	81	(NA)	84	82
2296	Tire cord and fabric.....1967....	12	444.1	83	96	100	(X)	84	90
	1966....	(NA)	504.7	82	94	(NA)	(NA)	(NA)	(NA)
	1963....	12	375.7	79	96	100	(X)	87	91
2297	Scouring and combing plants.....1967....	65	93.9	61	75	89	99+	85	57
	1966....	(NA)	119.1	63	82	(NA)	(NA)	(NA)	(NA)
	1963....	64	119.9	61	79	93	99+	94	69
	1958....	78	85.7	58	73	89	99	92	59
	1954....	70	94.2	53	68	87	(NA)	83	60
	1947....	(19)	75.6	(19)	(19)	(19)	(19)	(19)	(19)
2298	Cordage and twine.....1967....	147	188.8	34	52	77	94	86	88
	1966....	(NA)	164.7	38	54	(NA)	(NA)	(NA)	(NA)
	1963....	148	149.3	35	53	76	93	90	87
	1958....	128	135.3	38	56	77	93	92	93
	1954....	119	159.9	40	59	81	(NA)	90	89
	1947....	132	170.7	33	53	77	(NA)	87	87
	1935....	(NA)	(NA)	31	44	(NA)	(NA)	(NA)	(NA)
2299	Textile goods, n.e.c.....1967....	189	240.5	37	54	74	91	82	77
	1966....	(NA)	235.9	35	51	(NA)	(NA)	(NA)	(NA)
	1963....	127	169.8	38	60	83	96	85	82

See footnotes at end of table.



TABLE 5. Percent of Value of Shipments Accounted for by the Largest Companies in Each Manufacturing Industry: 1967 and Earlier Years—Continued

Code	Industry and year <sup>1</sup>	Companies <sup>2</sup>  (number)	Value of shipments <sup>3</sup>				Primary product specialization ratio <sup>5</sup> (percent)	Coverage ratio <sup>6</sup> (percent)		
			Total (million dollars)	Percent accounted for by-- <sup>4</sup>						
				4 largest companies	8 largest companies	20 largest companies			50 largest companies	
MAJOR GROUP 23. APPAREL AND OTHER TEXTILE PRODUCTS										
2311	Men's and boys' suits and coats <sup>21</sup> .....	1967....	904	1,912.1	17	27	43	59	94	97
		1966....	(NA)	1,849.5	17	26	(NA)	(NA)	(NA)	(NA)
		1963....	1,031	1,526.0	14	23	38	56	93	97
		1958....	1,275	1,260.9	11	19	32	49	91	97
		1954....	1,255	1,140.7	11	18	31	(NA)	91	96
		1947....	1,761	1,412.8	9	15	26	(NA)	92	97
2321	Men's dress shirts and nightwear <sup>21</sup> .....	1967....	570	1,448.2	23	33	50	67	90	82
		1966....	(NA)	1,348.1	25	36	(NA)	(NA)	(NA)	(NA)
		1963....	659	1,295.1	22	32	49	67	86	<sup>29</sup> 83
		1958....	737	942.1	16	26	41	59	90	<sup>29</sup> 82
		1954....	838	894.0	17	26	40	(NA)	91	85
		1947....	922	731.3	19	29	43	(NA)	94	87
2322	Men's and boys' underwear <sup>21</sup> .....	1967....	71	180.2	43	60	87	99	94	37
		1966....	(NA)	181.6	42	57	(NA)	(NA)	(NA)	(NA)
		1963....	65	134.9	42	59	86	99	89	<sup>29</sup> 31
		1958....	79	100.2	30	46	79	88	86	<sup>29</sup> 30
		1954....	72	74.3	43	56	85	(NA)	88	28
		1947....	94	49.8	47	59	80	(NA)	95	21
2323	Men's and boys' neckwear <sup>21</sup> .....	1967....	296	144.7	23	32	48	70	98	96
		1966....	(NA)	(157.7)	(S)	(S)	(NA)	(NA)	(NA)	(NA)
		1963....	341	121.3	19	28	43	65	98	98
		1958....	362	95.4	17	24	39	59	97	98
		1954....	403	100.0	16	24	41	(NA)	98	92
		1947....	408	113.7	20	29	46	(NA)	97	93
2327	Men's and boys' separate trousers <sup>21</sup> .....	1967....	579	1,132.4	20	30	46	64	89	82
		1966....	(NA)	1,041.6	20	29	(NA)	(NA)	(NA)	(NA)
		1963....	667	824.2	16	25	40	58	85	81
		1958....	720	442.1	9	17	30	50	89	71
		1954....	768	397.7	12	19	33	(NA)	89	75
		1947....	956	334.0	12	18	29	(NA)	86	70
2328	Men's and boys' work clothing.....	1967....	277	1,155.0	32	45	64	81	84	90
		1966....	(NA)	1,051.7	28	42	(NA)	(NA)	(NA)	(NA)
		1963....	301	824.7	27	40	59	79	82	91
2329	Men's and boys' clothing, n.e.c.....	1967....	517	677.7	23	30	44	61	80	61
		1966....	(NA)	623.0	28	37	(NA)	(NA)	(NA)	(NA)
		1963....	529	397.6	13	19	32	51	85	<sup>29</sup> 50
2331	Women's and misses' blouses and waists <sup>20 21</sup> .....	1967....	921	727.0	15	24	37	53	84	75
		1966....	(NA)	797.1	19	25	(NA)	(NA)	(NA)	(NA)
		1963....	1,130	610.2	11	15	27	44	88	74
		1958....	1,222	414.6	10	14	24	39	89	78
		1954....	1,233	375.3	11	16	25	(NA)	93	85
		1947....	1,356	276.6	7	11	20	(NA)	93	88
2335	Women's and misses' dresses.....	1967....	5,008	3,086.3	7	9	14	23	97	95
		1966....	(NA)	2,507.6	8	10	(NA)	(NA)	(NA)	(NA)
		1963....	4,577	2,411.0	6	9	14	23	97	96
2337	Women's and misses' suits, and coats <sup>21</sup> .....	1967....	2,058	1,776.4	12	15	22	34	86	90
		1966....	(NA)	1,779.8	9	13	(NA)	(NA)	(NA)	(NA)
		1963....	2,481	1,522.7	8	11	17	28	89	92
		1958....	2,651	1,220.2	3	5	11	21	93	93
		1954....	3,178	1,261.3	3	6	11	(NA)	94	93
		1947....	( <sup>19</sup> )	1,092.8	( <sup>19</sup> )	( <sup>19</sup> )	( <sup>19</sup> )	( <sup>19</sup> )	( <sup>19</sup> )	( <sup>19</sup> )
2339	Women's and misses' outerwear, n.e.c.....	1967....	1,048	944.3	16	21	33	50	77	59
		1966....	(NA)	(960.0)	14	22	(NA)	(NA)	(NA)	(NA)
		1963....	1,252	786.0	14	22	33	48	82	59
2341	Women's and children's underwear <sup>21</sup> .....	1967....	778	1,116.8	15	22	37	56	94	86
		1966....	(NA)	1,042.2	15	22	(NA)	(NA)	(NA)	(NA)
		1963....	978	976.1	11	17	31	50	94	<sup>30</sup> 85
		1958....	1,170	804.9	8	13	24	41	96	83
		1954....	1,276	770.0	8	13	24	(NA)	95	98
		1947....	1,467	575.8	6	11	19	(NA)	(NA)	(NA)
2342	Corsets and allied garments <sup>21</sup> .....	1967....	254	663.3	30	43	62	81	95	97
		1966....	(NA)	667.2	33	48	(NA)	(NA)	(NA)	(NA)
		1963....	296	593.9	29	45	64	81	96	95
		1958....	363	462.2	29	43	59	75	96	98
		1954....	424	394.8	26	38	57	(NA)	96	(NA)
		1947....	493	277.8	16	30	47	(NA)	(NA)	(NA)

See footnotes at end of table.

TABLE 5. Percent of Value of Shipments Accounted for by the Largest Companies in Each Manufacturing Industry: 1967 and Earlier Years-Continued

Code	Industry and year <sup>1</sup>	Companies <sup>2</sup>  (number)	Value of shipments <sup>3</sup>				Primary product specialization ratio <sup>5</sup>  (percent)	Coverage ratio <sup>6</sup>  (percent)	
			Total  (million dollars)	Percent accounted for by-- <sup>4</sup>					
				4 largest companies	8 largest companies	20 largest companies	50 largest companies		
MAJOR GROUP 23. APPAREL AND OTHER TEXTILE PRODUCTS--Continued									
2351	Millinery <sup>2 1</sup> .....1967....	477	112.4	12	17	27	45	99	98
	1966....	(NA)	(115.4)	(S)	(S)	(NA)	(NA)	(NA)	(NA)
	1963....	710	163.2	9	14	22	36	100	100
	1958....	801	188.3	6	10	19	33	100	99
	1954....	865	173.1	7	12	20	(NA)	99	98
	1947....	927	177.7	7	10	18	(NA)	99	98
2352	Hats and caps, except millinery <sup>2 1</sup> .....1967....	340	194.5	32	41	58	75	99	99
	1966....	(NA)	(148.3)	36	47	(NA)	(NA)	(NA)	(NA)
	1963....	413	171.1	31	40	52	69	98	98
	1958 <sup>3 1</sup> ..	(NA)	163.7	28	36	(NA)	(NA)	98	98
2361	Children's dresses and blouses.....1967....	575	496.0	14	19	32	53	92	82
	1966....	(NA)	492.7	14	21	(NA)	(NA)	(NA)	(NA)
	1963....	627	443.3	12	20	34	54	91	32
2363	Children's coats and suits <sup>2 1</sup> .....1967....	216	175.3	18	31	52	76	93	84
	1966....	(NA)	185.4	15	(S)	(NA)	(NA)	(NA)	(NA)
	1963....	269	162.9	14	24	43	67	92	86
	1958....	361	163.7	11	19	35	58	93	00
	1954....	400	172.1	14	22	35	(NA)	91	81
	1947....	( <sup>2 0</sup> )	114.2	( <sup>1 9</sup> )	( <sup>1 9</sup> )	( <sup>1 9</sup> )	( <sup>1 9</sup> )	( <sup>1 9</sup> )	( <sup>1 9</sup> )
2369	Children's outerwear, n.e.c.....1967....	456	456.2	20	30	45	64	80	68
	1966....	(NA)	438.1	18	26	(NA)	(NA)	(NA)	(NA)
	1963....	602	419.6	16	23	35	54	81	3269
2371	Fur goods <sup>2 1</sup> .....1967....	1,304	333.2	5	8	15	27	99	100
	1966....	(NA)	365.1	4	7	(NA)	(NA)	(NA)	(NA)
	1963....	1,591	334.4	5	8	15	26	99	100
	1958....	1,651	275.3	5	8	14	25	99	100
	1954....	1,972	227.5	4	6	11	(NA)	99	100
	1947....	2,227	357.0	3	5	9	(NA)	100	100
	1935....	(NA)	(NA)	2	4	(NA)	(NA)	(NA)	(NA)
2381	Fabric dress and work gloves <sup>2 1</sup> .....1967....	140	176.6	33	49	72	92	91	87
	1966....	(NA)	(205.9)	27	40	(NA)	(NA)	(NA)	(NA)
	1963....	170	149.5	31	45	69	88	94	3382
	1958 <sup>3 4</sup> ..	189	112.1	30	46	(NA)	(NA)	94	3384
2384	Robes and dressing gowns <sup>2 1</sup> .....1967....	237	200.2	16	27	49	77	96	95
	1966....	(NA)	(198.3)	20	(S)	(NA)	(NA)	(NA)	(NA)
	1963....	268	173.5	17	28	48	75	96	94
	1958....	278	132.5	14	23	43	68	93	96
	1954....	322	108.0	15	25	45	(NA)	93	84
	1947....	370	103.0	10	19	38	(NA)	89	82
2385	Waterproof outer garments <sup>2 1</sup> .....1967....	299	371.9	24	34	51	73	95	93
	1966....	(NA)	305.7	24	33	(NA)	(NA)	(NA)	(NA)
	1963....	223	235.5	19	28	45	68	92	93
	1958....	272	146.3	20	29	49	74	(NA)	90
	1954....	291	119.7	20	30	50	(NA)	89	81
	1947....	245	80.8	23	37	55	(NA)	85	73
2386	Leather and sheep lined clothing <sup>2 1</sup> .....1967....	135	98.8	24	37	61	87	97	86
	1966....	(NA)	(84.0)	24	(S)	(NA)	(NA)	(NA)	(NA)
	1963....	114	56.4	28	43	66	92	97	83
	1958....	154	64.3	18	30	52	81	94	91
	1954....	153	56.4	18	31	53	(NA)	85	80
	1947....	125	40.6	24	39	67	(NA)	79	80
2387	Apparel belts <sup>2 1</sup> .....1967....	274	130.2	28	38	55	73	89	98
	1966....	(NA)	121.4	28	38	(NA)	(NA)	(NA)	(NA)
	1963....	388	108.6	23	30	43	62	91	94
	1958....	458	93.8	21	27	36	54	92	95
	1954....	501	106.3	19	25	36	(NA)	92	94
	1947....	390	69.0	23	31	44	(NA)	90	95
2389	Apparel and accessories, n.e.c.....1967....	243	119.5	18	30	52	76	96	85
	1966....	(NA)	116.6	(S)	(S)	(NA)	(NA)	(NA)	(NA)
	1963....	265	98.2	19	31	50	74	93	82
2391	Curtains and draperies.....1967....	1,393	418.7	27	39	50	63	97	95
	1966....	(NA)	(416.2)	(S)	(S)	(NA)	(NA)	(NA)	(NA)
	1963....	<sup>3 5</sup> 1,092	313.0	21	33	45	60	95	95
	1958....	757	206.5	26	34	45	61	(NA)	92
	1954....	697	172.7	20	28	42	(NA)	94	89
	1947....	379	109.6	18	29	49	(NA)	97	90

See footnotes at end of table.



TABLE 5. Percent of Value of Shipments Accounted for by the Largest Companies in Each Manufacturing Industry: 1967 and Earlier Years—Continued

Code	Industry and year <sup>1</sup>	Companies <sup>2</sup>  (number)	Value of shipments <sup>3</sup>				Primary product specialization ratio <sup>5</sup> (percent)	Coverage ratio <sup>6</sup> (percent)		
			Total (million dollars)	Percent accounted for by-- <sup>4</sup>						
				4 largest companies	8 largest companies	20 largest companies	50 largest companies			
MAJOR GROUP 23. APPAREL AND OTHER TEXTILE PRODUCTS--Continued										
2392	Housefurnishings, n.e.c.....	1967....	1,189	962.8	21	28	41	56	88	52
		1966....	(NA)	903.8	20	(S)	(NA)	(NA)	(NA)	(NA)
		1963....	1,205	716.7	18	24	35	50	88	50
		1958....	1,181	591.5	18	25	39	52	89	60
		1954....	1,203	503.2	21	29	42	(NA)	91	59
		1947....	1,209	502.5	33	44	58	(NA)	93	87
2393	Textile bags.....	1967....	177	291.1	31	50	72	89	94	89
		1966....	(NA)	205.0	(S)	(S)	(NA)	(NA)	(NA)	(NA)
		1963....	175	200.4	38	51	68	87	88	85
		1958....	217	186.3	40	51	66	85	86	87
		1954....	235	221.0	45	56	70	(NA)	84	85
		1947....	198	356.0	53	63	77	(NA)	93	98
2394	Canvas products.....	1967....	846	273.6	20	30	43	62	94	95
		1966....	(NA)	225.3	19	(S)	(NA)	(NA)	(NA)	(NA)
		1963....	869	166.4	18	25	37	54	92	91
		1958....	846	119.0	14	22	34	49	90	90
		1954....	1,100	129.6	14	19	31	(NA)	89	86
		1947....	889	91.1	10	17	31	(NA)	91	93
2395	Pleating and stitching.....	1967....	1,104	139.3	7	12	22	38	97	95
		1966....	(NA)	(123.0)	(S)	(S)	(NA)	(NA)	(NA)	(NA)
		1963....	1,315	150.2	9	13	20	32	97	98
2396	Automotive and apparel trimmings.....	1967....	762	777.4	57	63	70	78	98	93
		1966....	(NA)	741.8	58	(S)	(NA)	(NA)	(NA)	(NA)
		1963....	746	570.6	58	63	71	79	98	97
2397	Schiffli machine embroideries.....	1967....	605	99.6	13	21	34	52	98	99
		1966....	(NA)	94.8	(S)	(S)	(NA)	(NA)	(NA)	(NA)
		1963....	755	97.4	13	21	33	49	96	99
		1958....	706	74.8	11	15	26	39	99	98
		1954....	601	65.8	15	21	32	(NA)	98	99
		1947....	542	55.5	17	23	36	(NA)	98	96
2399	Fabricated textile products, n.e.c.....	1967....	799	535.1	19	30	49	70	89	83
		1966....	(NA)	477.4	16	28	(NA)	(NA)	(NA)	(NA)
		1963....	1,027	342.5	14	22	40	59	86	75
MAJOR GROUP 24. LUMBER AND WOOD PRODUCTS										
2411	Logging camps and logging contractors.....	1967....	16,265	1,476.3	14	22	30	35	91	99
		1966....	(NA)	1,361.8	14	23	(NA)	(NA)	(NA)	(NA)
		1963....	13,522	<sup>36</sup> 1,154.7	11	19	25	31	99	90
		1958....	12,730	833.8	13	19	25	32	93	92
		1954....	12,789	733.4	8	13	20	(NA)	98	89
2421	Sawmills and planing mills, general.....	1967....	10,016	3,506.4	11	15	22	31	92	95
		1966....	(NA)	3,390.8	11	15	(NA)	(NA)	(NA)	(NA)
		1963....	11,931	3,156.3	11	14	20	29	89	95
2426	Hardwood dimension and flooring.....	1967....	613	373.5	15	20	31	49	89	86
		1966....	(NA)	414.3	15	(S)	(NA)	(NA)	(NA)	(NA)
		1963....	601	345.2	17	22	34	51	86	86
2429	Special product sawmills, n.e.c.....	1967....	454	117.9	21	30	43	63	98	95
		1966....	(NA)	(109.7)	(S)	(S)	(NA)	(NA)	(NA)	(NA)
		1963....	476	96.0	17	25	41	62	98	<sup>37</sup> 49
2431	Millwork.....	1967....	3,292	1,472.4	9	13	20	30	94	94
		1966....	(NA)	1,344.6	9	13	(NA)	(NA)	(NA)	(NA)
		1963....	3,730	1,270.6	7	10	17	28	95	93
2432	Veneer and plywood.....	1967....	516	1,687.2	26	37	50	65	90	90
		1966....	(NA)	1,699.9	24	33	(NA)	(NA)	(NA)	(NA)
		1963....	532	1,339.6	23	31	42	58	92	94
2433	Prefabricated wood structures.....	1967....	519	493.7	21	31	46	62	98	98
		1966....	(NA)	471.7	22	33	(NA)	(NA)	(NA)	(NA)
		1963....	528	403.3	25	34	49	64	98	96
		1958....	364	300.6	28	36	52	71	98	98
		1954....	222	224.4	32	43	61	(NA)	99	95
		1947....	197	103.3	16	28	50	(NA)	93	96
2441	Nailed wooden boxes and shook.....	1967....	567	273.8	24	30	42	60	88	87
		1966....	(NA)	268.2	23	(S)	(NA)	(NA)	(NA)	(NA)
		1963....	637	206.0	26	31	41	56	85	83

See footnotes at end of table.

TABLE 5. Percent of Value of Shipments Accounted for by the Largest Companies in Each Manufacturing Industry: 1967 and Earlier Years—Continued

Code	Industry and year <sup>1</sup>	Companies <sup>2</sup>  (number)	Value of shipments <sup>3</sup>				Primary product specialization ratio <sup>5</sup> (percent)	Coverage ratio <sup>6</sup> (percent)	
			Total  (million dollars)	Percent accounted for by-- <sup>4</sup>					
				4 largest companies	8 largest companies	20 largest companies			50 largest companies
MAJOR GROUP 24. LUMBER AND WOOD PRODUCTS--Continued									
2442	Wirebound boxes and crates.....1967....	118	144.9	33	49	76	97	89	92
	1966....	(NA)	174.4	30	43	(NA)	(NA)	(NA)	(NA)
	1963....	100	114.7	33	49	74	97	92	93
2443	Veneer and plywood containers.....1967....	81	32.0	44	57	80	97	81	89
	1966....	(NA)	(24.3)	(S)	(S)	(NA)	(NA)	(NA)	(NA)
	1963....	84	27.9	39	50	73	95	90	79
	1958....	94	27.8	27	43	67	95	93	88
	1954....	126	30.5	30	46	66	(NA)	91	88
	1947....	129	30.6	31	42	63	(NA)	91	88
2445	Cooperage.....1967....	67	78.8	54	81	94	99	99	98
	1966....	(NA)	65.7	53	81	(NA)	(NA)	(NA)	(NA)
	1963....	71	52.9	47	71	91	99	97	99
	1958....	126	69.6	45	67	87	95	96	98
	1954....	104	60.4	47	66	86	(NA)	97	99
	1947....	127	106.4	51	64	(NA)	(NA)	96	97
	1935....	(NA)	(NA)	25	40	(NA)	(NA)	(NA)	(NA)
2491	Wood preserving.....1967....	278	344.2	35	44	63	84	98	98
	1966....	(NA)	326.0	37	47	(NA)	(NA)	(NA)	(NA)
	1963....	250	247.3	34	44	64	84	98	97
	1958....	211	198.3	32	43	65	87	98	96
	1954....	188	190.5	30	42	63	(NA)	97	99
	1947....	136	304.0	31	44	67	(NA)	(D)	(D)
	1935....	(NA)	(NA)	50	60	(NA)	(NA)	(NA)	(NA)
2499	Wood products, n.e.c.....1967....	3,044	1,204.6	15	20	29	40	93	91
	1966....	(NA)	1,069.2	15	20	(NA)	(NA)	(NA)	(NA)
	1963....	2,818	785.4	14	19	27	38	92	87
MAJOR GROUP 25. FURNITURE AND FIXTURES									
2511	Wood household furniture.....1967....	2,934	2,438.9	12	18	29	44	95	96
	1966....	(NA)	2,423.4	12	19	(NA)	(NA)	(NA)	(NA)
	1963....	2,937	1,858.0	11	16	25	35	94	96
	1958....	2,742	1,311.5	9	13	22	34	94	94
	1954....	2,731	1,113.3	8	13	21	(NA)	94	93
	1947....	2,208	898.7	7	11	19	(NA)	94	94
2512	Upholstered household furniture.....1967....	1,582	1,266.4	14	20	31	45	93	94
	1966....	(NA)	1,265.0	15	21	(NA)	(NA)	(NA)	(NA)
	1963....	1,729	983.2	13	18	28	41	92	92
2514	Metal household furniture.....1967....	464	605.3	14	24	40	63	90	90
	1966....	(NA)	595.3	13	23	(NA)	(NA)	(NA)	(NA)
	1963....	508	524.3	13	20	34	59	88	89
	1958....	614	489.7	14	22	38	58	88	88
	1954....	635	402.6	16	26	43	(NA)	87	83
	1947....	305	194.9	26	37	56	(NA)	83	73
2515	Mattresses and bedsprings.....1967....	939	745.1	26	34	44	58	91	91
	1966....	(NA)	735.6	27	33	(NA)	(NA)	(NA)	(NA)
	1963....	1,066	641.0	26	31	41	54	90	90
2519	Household furniture, n.e.c.....1967....	75	55.3	36	53	82	98	83	56
	1966....	(NA)	(78.2)	(S)	(S)	(NA)	(NA)	(NA)	(NA)
	1963....	72	28.9	34	50	78	98	84	51
	1958....	92	30.3	43	57	77	96	88	68
	1954....	69	15.6	50	65	85	(NA)	86	59
	1947....	(19)	14.0	(19)	(19)	(19)	(19)	(19)	(19)
2521	Wood office furniture.....1967....	172	158.3	29	48	71	88	89	86
	1966....	(NA)	136.4	30	50	(NA)	(NA)	(NA)	(NA)
	1963....	131	101.5	29	47	74	92	90	87
	1958....	147	66.2	27	42	68	87	89	82
	1954....	111	52.7	25	41	69	(NA)	86	86
	1947....	114	47.5	21	34	65	(NA)	92	80
2522	Metal office furniture.....1967....	166	622.9	38	52	75	92	89	88
	1966....	(NA)	596.0	37	51	(NA)	(NA)	(NA)	(NA)
	1963....	153	390.0	33	50	75	93	87	89
	1958....	142	271.8	38	56	80	94	88	86
	1954....	122	202.9	46	63	83	(NA)	84	87
	1947....	100	125.7	50	66	87	(NA)	89	92

See footnotes at end of table.



TABLE 5. Percent of Value of Shipments Accounted for by the Largest Companies in Each Manufacturing Industry: 1967 and Earlier Years—Continued

Code	Industry and year <sup>1</sup>	Companies <sup>2</sup>  (number)	Value of shipments <sup>3</sup>				Primary product specialization ratio <sup>5</sup>  (percent)	Coverage ratio <sup>6</sup>  (percent)	
			Total  (million dollars)	Percent accounted for by-- <sup>4</sup>					
				4 largest companies	8 largest companies	20 largest companies	50 largest companies		
MAJOR GROUP 25. FURNITURE AND FIXTURES--Continued									
2531	Public building furniture.....1967....	428	421.2	23	36	54	72	84	86
	1966....	(NA)	343.5	24	37	(NA)	(NA)	(NA)	(NA)
	1963....	424	268.6	24	35	50	69	85	88
	1958....	383	204.6	27	37	53	71	88	80
	1954....	291	159.5	32	43	61	(NA)	83	86
	1947....	( <sup>19</sup> )	76.0	( <sup>19</sup> )	( <sup>19</sup> )	( <sup>19</sup> )	( <sup>19</sup> )	( <sup>19</sup> )	( <sup>19</sup> )
2541	Wood partitions and fixtures.....1967....	1,463	498.6	6	10	20	36	92	89
	1966....	(NA)	452.0	4	8	(NA)	(NA)	(NA)	(NA)
	1963....	1,588	389.6	4	8	15	27	94	89
2542	Metal partitions and fixtures.....1967....	491	512.0	24	33	51	70	90	83
	1966....	(NA)	520.1	22	33	(NA)	(NA)	(NA)	(NA)
	1963....	502	337.8	23	33	50	70	83	82
2591	Venetian blinds and shades.....1967....	581	246.8	41	57	74	83	89	94
	1966....	(NA)	229.0	41	57	(NA)	(NA)	(NA)	(NA)
	1963....	695	199.6	37	54	71	79	89	90
	1958 <sup>38</sup> ..	826	166.6	32	45	(NA)	(NA)	(NA)	(NA)
2599	Furniture and fixtures, n.e.c.....1967....	317	179.0	18	28	43	65	87	75
	1966....	(NA)	152.5	18	28	(NA)	(NA)	(NA)	(NA)
	1963....	354	121.6	16	27	42	64	86	70
MAJOR GROUP 26. PAPER AND ALLIED PRODUCTS									
2611	Pulpmills.....1967....	45	730.5	45	70	97	100	88	71
	1966....	(NA)	725.5	48	75	(NA)	(NA)	(NA)	(NA)
	1963....	34	609.1	48	72	97	100	88	71
	1958....	49	452.0	46	68	94	100	98	73
	1954....	( <sup>39</sup> )	( <sup>39</sup> )	( <sup>39</sup> )	( <sup>39</sup> )	( <sup>39</sup> )	( <sup>39</sup> )	( <sup>39</sup> )	( <sup>39</sup> )
	1947....	( <sup>39</sup> )	( <sup>39</sup> )	( <sup>39</sup> )	( <sup>39</sup> )	( <sup>39</sup> )	( <sup>39</sup> )	( <sup>39</sup> )	( <sup>39</sup> )
2621	Papermills, except building paper.....1967....	203	4,844.0	26	43	65	86	92	93
	1966....	(NA)	4,804.8	24	40	(NA)	(NA)	(NA)	(NA)
	1963....	186	3,824.9	26	42	63	85	90	92
2631	Paperboard mills.....1967....	148	2,907.0	27	42	67	92	84	91
	1966....	(NA)	2,853.4	27	42	(NA)	(NA)	(NA)	(NA)
	1963....	146	2,315.2	27	43	67	90	85	90
2641	Paper coating and glazing.....1967....	334	1,566.5	38	49	68	85	79	87
	1966....	(NA)	1,383.5	28	39	(NA)	(NA)	(NA)	(NA)
	1963....	323	1,161.6	30	43	64	85	82	78
2642	Envelopes.....1967....	172	470.3	32	44	63	84	95	96
	1966....	(NA)	446.3	32	44	(NA)	(NA)	(NA)	(NA)
	1963....	180	363.3	32	42	59	82	94	96
	1958....	173	258.9	30	41	58	81	93	94
	1954....	170	195.3	27	37	54	(NA)	96	92
	1947....	142	128.3	30	40	58	(NA)	92	95
	1935....	(NA)	(NA)	33	42	(NA)	(NA)	(NA)	(NA)
2643	Bags, except textile bags.....1967....	466	1,375.6	23	38	59	76	86	88
	1966....	(NA)	1,358.5	23	37	(NA)	(NA)	(NA)	(NA)
	1963....	495	1,061.7	22	36	58	76	86	88
2644	Wallpaper.....1967....	74	48.6	39	55	79	98	99	99
	1966....	(NA)	(45.9)	38	(S)	(NA)	(NA)	(NA)	(NA)
	1963....	77	36.5	33	48	75	97	97	99
	1958....	70	38.5	41	57	82	98	93	99
	1954....	71	39.7	40	58	80	(NA)	99	98
	1947....	50	58.9	49	64	87	100	98	100
	1935....	(NA)	(NA)	41	58	(NA)	(NA)	(NA)	(NA)
2645	Die-cut paper and board.....1967....	368	577.5	37	47	62	80	86	86
	1966....	(NA)	512.5	31	43	(NA)	(NA)	(NA)	(NA)
	1963....	370	378.3	36	47	62	79	88	82
2646	Pressed and molded pulp goods.....1967....	43	145.9	71	87	96	100	99	95
	1966....	(NA)	151.5	73	89	(NA)	(NA)	(NA)	(NA)
	1963....	43	110.1	72	88	96	100	99	96
	1958....	46	78.2	69	89	98	100	99	96
	1954....	26	42.3	72	94	99+	100	100	93
	1947....	19	16.2	86	97	100	(X)	95	86

See footnotes at end of table.

TABLE 5. Percent of Value of Shipments Accounted for by the Largest Companies in Each Manufacturing Industry: 1967 and Earlier Years-Continued

Code	Industry and year <sup>1</sup>	Companies <sup>2</sup>  (number)	Value of shipments <sup>3</sup>				Primary product special- ization ratio <sup>5</sup>  (percent)	Coverage ratio <sup>6</sup>  (percent)	
			Total  (million dollars)	Percent accounted for by-- <sup>4</sup>					
				4 largest companies	8 largest companies	20 largest companies			50 largest companies
MAJOR GROUP 26. PAPER AND ALLIED PRODUCTS--Continued									
2647	Sanitary paper products.....1967....	91	1,293.4	63	79	92	99	94	96
	1966....	(NA)	1,185.8	64	80	(NA)	(NA)	(NA)	(NA)
	1963....	97	983.0	62	76	90	99	93	97
2649	Converted paper products, n.e.c.....1967....	566	732.2	29	38	53	70	84	79
	1966....	(NA)	840.4	25	35	(NA)	(NA)	(NA)	(NA)
	1963....	570	591.8	23	31	47	69	84	78
2651	Folding paperboard boxes.....1967....	476	1,216.2	22	36	54	70	84	90
	1966....	(NA)	1,289.5	22	35	(NA)	(NA)	(NA)	(NA)
	1963....	534	1,081.1	21	37	55	69	85	88
2652	Setup paperboard boxes.....1967....	418	282.4	12	19	32	50	92	87
	1966....	(NA)	256.6	12	20	(NA)	(NA)	(NA)	(NA)
	1963....	474	225.8	12	19	30	48	91	87
2653	Corrugated and solid fiber boxes.....1967....	568	2,959.6	18	33	61	78	98	98
	1966....	(NA)	2,891.2	18	33	(NA)	(NA)	(NA)	(NA)
	1963....	534	2,166.1	20	36	63	79	97	96
2654	Sanitary food containers.....1967....	144	1,093.9	49	68	88	96	92	86
	1966....	(NA)	964.1	53	74	(NA)	(NA)	(NA)	(NA)
	1963....	98	905.9	52	74	91	98	92	92
2655	Fiber cans, drums, and related material.....1967....	165	385.2	51	68	83	93	96	85
	1966....	(NA)	353.0	54	72	(NA)	(NA)	(NA)	(NA)
	1963....	166	260.3	57	72	82	92	95	80
2661	Building paper and board mills.....1967....	43	341.1	46	69	97	100	92	96
	1966....	(NA)	351.2	45	68	(NA)	(NA)	(NA)	(NA)
	1963....	33	281.6	47	68	97	100	97	88
MAJOR GROUP 27. PRINTING AND PUBLISHING									
2711	Newspapers.....1967....	7,589	5,757.1	16	25	40	56	97	100
	1966....	(NA)	5,520.2	14	22	(NA)	(NA)	(NA)	(NA)
	1963....	7,982	4,483.6	15	22	36	52	96	100
	1958....	7,947	3,615.6	17	24	35	51	96	100
	1954....	8,445	3,091.0	18	24	34	(NA)	95	100
	1947....	8,115	1,891.3	21	26	36	(NA)	94	100
2721	Periodicals.....1967....	2,430	3,095.9	24	37	56	72	89	97
	1966....	(NA)	2,717.9	28	41	(NA)	(NA)	(NA)	(NA)
	1963....	2,562	2,295.7	28	42	59	73	89	96
	1958....	2,245	1,650.6	31	41	55	69	93	97
	1954....	2,012	1,441.0	29	40	54	(NA)	95	97
	1947....	2,106	1,059.6	34	43	58	(NA)	94	98
2731	Book publishing.....1967....	963	2,060.2	20	32	57	77	94	85
	1966....	(NA)	1,996.3	20	33	(NA)	(NA)	(NA)	(NA)
	1963....	936	1,534.6	20	33	56	76	93	88
	1958....	883	1,000.9	16	29	48	69	92	90
	1954....	804	665.2	21	32	51	(NA)	91	90
	1947....	635	463.9	18	29	48	(NA)	92	93
2732	Book printing.....1967....	720	787.4	21	30	48	64	81	70
	1966....	(NA)	709.3	22	33	(NA)	(NA)	(NA)	(NA)
	1963....	662	546.6	19	30	48	66	78	69
	1958....	785	354.3	24	34	51	68	72	60
	1954....	592	221.3	21	35	53	(NA)	76	55
	1947....	( <sup>19</sup> )	92.3	( <sup>19</sup> )	( <sup>19</sup> )	( <sup>19</sup> )	( <sup>19</sup> )	( <sup>19</sup> )	( <sup>19</sup> )
2741	Miscellaneous publishing.....1967....	1,443	605.3	29	46	64	75	93	89
	1966....	(NA)	495.2	33	43	(NA)	(NA)	(NA)	(NA)
	1963....	1,308	389.6	32	44	59	71	92	84
	1958....	1,038	315.7	29	40	55	68	89	87
	1954....	900	231.2	31	45	58	(NA)	85	82
	1947....	569	103.3	22	33	52	(NA)	93	78
2751	Commercial printing, except lithographic.....1967....	11,955	3,255.5	14	21	29	39	86	83
	1966....	(NA)	3,202.3	14	20	(NA)	(NA)	(NA)	(NA)
	1963....	11,979	2,645.1	13	19	28	38	86	79
2752	Commercial printing, lithographic.....1967....	6,718	3,139.4	5	8	15	25	82	80
	1966....	(NA)	2,791.4	5	9	(NA)	(NA)	(NA)	(NA)
	1963....	6,738	2,149.7	6	10	16	25	80	87

See footnotes at end of table.



TABLE 5. Percent of Value of Shipments Accounted for by the Largest Companies in Each Manufacturing Industry: 1967 and Earlier Years—Continued

Code	Industry and year <sup>1</sup>	Companies <sup>2</sup>  (number)	Value of shipments <sup>3</sup>				Primary product specialization ratio <sup>5</sup>  (percent)	Coverage ratio <sup>6</sup>  (percent)		
			Total  (million dollars)	Percent accounted for by-- <sup>4</sup>						
				4 largest companies	8 largest companies	20 largest companies	50 largest companies			
MAJOR GROUP 27. PRINTING AND PUBLISHING--Continued										
2753	Engraving and plate printing.....	1967....	569	137.9	21	28	38	52	91	81
		1966....	(NA)	175.9	(S)	(S)	(NA)	(NA)	(NA)	(NA)
		1963....	574	111.1	26	34	47	60	89	79
		1958....	520	85.2	28	35	46	59	92	82
		1954....	565	60.1	24	30	41	(NA)	93	79
		1947....	412	45.3	38	44	55	(NA)	92	80
		1935....	(NA)	(NA)	33	40	(NA)	(NA)	(NA)	(NA)
2761	Manifold business forms.....	1967....	454	932.3	47	57	69	81	91	90
		1966....	(NA)	823.9	47	57	(NA)	(NA)	(NA)	(NA)
		1963....	439	637.7	46	55	68	80	90	91
2771	Greeting card publishing.....	1967....	203	517.9	67	79	88	95	87	93
		1966....	(NA)	460.1	64	76	(NA)	(NA)	(NA)	(NA)
		1963....	239	346.0	57	71	82	92	92	96
		1958....	265	276.0	45	62	75	89	94	93
		1954....	280	208.9	42	57	73	(NA)	93	89
		1947....	161	123.9	39	55	74	(NA)	92	87
2782	Blankbooks and looseleaf binders.....	1967....	402	381.3	35	45	59	77	86	88
		1966....	(NA)	344.2	(S)	(S)	(NA)	(NA)	(NA)	(NA)
		1963....	380	268.2	33	44	57	76	88	88
2789	Bookbinding and related work.....	1967....	1,008	340.6	11	18	30	47	94	89
		1966....	(NA)	349.1	(S)	(S)	(NA)	(NA)	(NA)	(NA)
		1963....	1,038	228.5	12	17	28	44	95	83
		1958 <sup>40</sup> ..	966	182.0	10	16	(NA)	(NA)	94	86
2791	Typesetting.....	1967....	1,518	356.7	7	11	19	32	95	92
		1966....	(NA)	309.6	(S)	(S)	(NA)	(NA)	(NA)	(NA)
		1963....	1,271	241.0	6	10	18	30	95	90
		1958....	1,181	175.1	6	10	19	33	93	92
		1954....	1,078	121.4	5	9	18	(NA)	94	87
		1947....	793	75.7	8	13	24	(NA)	94	87
2793	Photoengraving.....	1967....	732	234.3	10	16	27	44	94	91
		1966....	(NA)	225.0	(S)	(S)	(NA)	(NA)	(NA)	(NA)
		1963....	872	212.4	8	13	24	38	95	91
		1958....	897	206.0	8	13	24	37	95	93
		1954....	884	173.0	6	11	21	(NA)	95	93
		1947....	754	133.5	8	12	22	(NA)	96	95
2794	Electrotyping and stereotyping.....	1967....	124	62.1	34	45	63	87	89	85
		1966....	(NA)	81.2	(S)	(S)	(NA)	(NA)	(NA)	(NA)
		1963....	170	76.1	31	39	57	80	87	86
		1958....	206	77.7	29	35	49	70	92	87
		1954....	219	85.9	23	34	51	(NA)	89	89
		1947....	205	59.0	24	34	49	(NA)	92	87
		1935....	(NA)	(NA)	36	46	(NA)	(NA)	(NA)	(NA)
MAJOR GROUP 28. CHEMICALS AND ALLIED PRODUCTS										
2812	Alkalies and chlorine.....	1967....	19	719.8	63	88	100	(X)	67	75
		1966....	(NA)	782.7	63	88	(NA)	(NA)	(NA)	(NA)
		1963....	19	652.1	62	88	100	(X)	66	79
		1958....	18	488.1	64	89	100	(X)	73	84
		1954....	17	399.9	69	90	100	(X)	76	84
		1947....	18	208.6	70	93	100	(X)	81	85
2813	Industrial gases.....	1967....	113	588.7	67	84	95	99	96	89
		1966....	(NA)	549.7	72	88	(NA)	(NA)	(NA)	(NA)
		1963....	104	425.4	72	86	95	99	98	87
		1958....	111	232.0	79	88	94	98	97	84
		1954....	101	167.7	84	88	93	(NA)	99	84
		1947....	69	93.5	83	88	94	(NA)	100	84
		1935....	(NA)	(NA)	79	87	(NA)	(NA)	(NA)	(NA)
2814 2815	Cyclic intermediates and crudes <sup>41</sup> .....	1967....	115	1,596.8	45	64	83	97	73	66
		1963....	120	1,212.8	53	71	88	99+	(NA)	(NA)
2816	Inorganic pigments.....	1967....	65	549.3	59	78	95	99+	90	84
		1966....	(NA)	581.8	64	83	(NA)	(NA)	(NA)	(NA)
		1963....	69	484.8	68	84	96	99+	91	87
		1958....	67	402.6	69	83	96	99+	92	90
		1954....	73	371.4	67	83	96	(NA)	88	88
		1947....	(19)	287.0	(19)	(19)	(19)	(19)	(19)	(19)

See footnotes at end of table.

TABLE 5. Percent of Value of Shipments Accounted for by the Largest Companies in Each Manufacturing Industry: 1967 and Earlier Years—Continued

Code	Industry and year <sup>1</sup>	Companies <sup>2</sup>  (number)	Value of shipments <sup>3</sup>				Primary product specialization ratio <sup>5</sup> (percent)	Coverage ratio <sup>6</sup> (percent)	
			Total  (million dollars)	Percent accounted for by-- <sup>4</sup>					
				4 largest companies	8 largest companies	20 largest companies			50 largest companies
MAJOR GROUP 28. CHEMICALS AND ALLIED PRODUCTS--Continued									
2818	Industrial organic chemicals, n.e.c.....1967....	339	6,377.8	45	58	75	92	72	81
	1966....	(NA)	6,541.1	46	60	(NA)	(NA)	(NA)	(NA)
	1963....	343	4,840.2	51	63	79	93	72	81
	1958....	250	3,070.2	55	70	85	96	73	80
	1954....	202	2,198.7	59	73	87	(NA)	77	80
	1947....	( <sup>42</sup> )	973.0	( <sup>42</sup> )	( <sup>42</sup> )	( <sup>42</sup> )	( <sup>42</sup> )	( <sup>42</sup> )	( <sup>42</sup> )
2819	Industrial inorganic chemicals, n.e.c. <sup>43</sup> .....1967....	408	4,248.4	27	43	64	85	86	78
	1966....	(NA)	3,845.2	29	46	(NA)	(NA)	(NA)	(NA)
	1963....	404	3,493.9	31	49	71	88	<sup>43</sup> 88	<sup>43</sup> 74
	1958 <sup>44</sup> ..	(NA)	2,609.5	34	50	(NA)	(NA)	(NA)	(NA)
2821	Plastics materials and resins.....1967....	508	3,473.9	27	43	64	86	83	60
	1966....	(NA)	3,532.9	32	46	(NA)	(NA)	(NA)	(NA)
	1963....	391	2,571.5	35	49	69	87	84	64
	1958....	273	1,811.4	40	56	79	92	86	71
	1954....	149	1,231.4	47	69	88	(NA)	90	75
	1947....	94	478.3	44	63	89	(NA)	92	77
2822	Synthetic rubber.....1967....	33	926.9	61	82	100	100	89	81
	1966....	(NA)	954.7	56	78	(NA)	(NA)	(NA)	(NA)
	1963....	16	763.9	57	80	100	(X)	92	80
	1958....	13	529.2	60	86	100	(X)	95	83
	1954....	13	361.1	53	81	100	(X)	98	90
	1947....	5	235.2	(D)	100	(X)	(X)	96	89
2823	Cellulosic manmade fibers.....1967....	13	902.8	86	99+	100	(X)	(NA)	(NA)
	1966....	(NA)	924.1	85	100	(NA)	(NA)	(NA)	(NA)
	1963....	8	731.8	82	100	(X)	(X)	(D)	(D)
2824	Organic fibers, noncellulosic.....1967....	22	2,033.2	84	94	(D)	100	92	94
	1966....	(NA)	1,991.8	85	95	(NA)	(NA)	(NA)	(NA)
	1963....	14	1,403.2	94	99	100	(X)	95	97
2831	Biological products.....1967....	119	160.0	39	63	86	97	90	61
	1966....	(NA)	108.4	46	72	(NA)	(NA)	(NA)	(NA)
	1963....	102	95.7	36	57	86	98	88	45
	1958....	110	56.6	44	59	84	97	89	41
	1954....	86	61.0	46	51	81	(NA)	86	65
	1947....	79	40.0	38	51	76	(NA)	87	57
2833	Medicinals and botanicals.....1967....	112	445.2	74	81	91	98	71	56
	1966....	(NA)	285.1	70	81	(NA)	(NA)	(NA)	(NA)
	1963....	122	305.8	68	79	91	99	71	47
	1958....	114	299.3	64	77	89	98	72	55
	1954....	107	252.5	72	84	93	(NA)	69	59
	1947....	( <sup>19</sup> )	218.2	( <sup>19</sup> )	( <sup>19</sup> )	( <sup>19</sup> )	( <sup>19</sup> )	( <sup>19</sup> )	( <sup>19</sup> )
2834	Pharmaceutical preparations.....1967....	791	4,696.4	24	40	73	90	87	97
	1966....	(NA)	4,432.4	24	41	(NA)	(NA)	(NA)	(NA)
	1963....	944	3,314.3	22	38	72	89	87	94
	1958....	1,064	2,533.4	27	45	73	87	88	94
	1954....	1,128	1,643.1	25	44	68	(NA)	91	94
	1947....	1,123	941.3	28	44	64	(NA)	91	98
2841	Soap and other detergents.....1967....	599	2,593.4	70	78	86	92	83	90
	1966....	(NA)	2,395.9	72	80	(NA)	(NA)	(NA)	(NA)
	1963....	641	2,127.8	72	80	88	93	82	92
2842	Polishes and sanitation goods.....1967....	965	1,108.0	35	46	60	76	80	75
	1966....	(NA)	1,029.2	30	39	(NA)	(NA)	(NA)	(NA)
	1963....	1,075	757.2	34	44	58	73	82	72
2843	Surface active agents.....1967....	154	294.2	34	47	65	85	79	54
	1966....	(NA)	252.1	38	50	(NA)	(NA)	(NA)	(NA)
	1963....	137	177.8	39	50	67	86	80	47
2844	Toilet preparations.....1967....	628	2,515.6	38	52	74	90	94	80
	1966....	(NA)	2,430.6	40	54	(NA)	(NA)	(NA)	(NA)
	1963....	673	1,792.7	38	52	75	90	91	84
	1958....	721	997.2	29	45	70	87	92	83
	1954....	693	628.5	25	40	64	(NA)	91	77
	1947....	692	381.4	24	38	59	(NA)	84	72
	1935....	(NA)	(NA)	25	40	(NA)	(NA)	(NA)	(NA)
2851	Paints and allied products.....1967....	1,459	2,911.4	22	35	48	61	95	96
	1966....	(NA)	2,970.4	23	36	(NA)	(NA)	(NA)	(NA)
	1963....	1,579	2,456.4	23	34	47	60	95	96

See footnotes at end of table.



TABLE 5. Percent of Value of Shipments Accounted for by the Largest Companies in Each Manufacturing Industry: 1967 and Earlier Years—Continued

Code	Industry and year <sup>1</sup>	Companies <sup>2</sup>  (number)	Value of shipments <sup>3</sup>				Primary product specialization ratio <sup>5</sup> (percent)	Coverage ratio <sup>6</sup> (percent)	
			Total  (million dollars)	Percent accounted for by-- <sup>4</sup>					
				4 largest companies	8 largest companies	20 largest companies			50 largest companies
MAJOR GROUP 28. CHEMICALS AND ALLIED PRODUCTS--Continued									
2861	Gum and wood chemicals.....	172	215.9	70	79	88	97	73	76
	1966....	(NA)	209.5	72	84	(NA)	(NA)	(NA)	(NA)
	1963....	229	212.9	63	71	83	94	74	77
2871	Fertilizers.....	85	1,196.9	35	55	84	98	86	95
	1966....	(NA)	1,166.9	34	55	(NA)	(NA)	(NA)	(NA)
	1963....	145	869.2	34	55	81	96	89	97
	1958....	157	543.3	34	57	81	93	(NA)	(NA)
	1954....	126	533.4	36	59	82	(NA)	97	60
	1947....	81	312.2	36	56	82	(NA)	92	60
2872	Fertilizers, mixing only.....	496	731.1	23	36	54	72	96	97
	1966....	(NA)	734.9	21	36	(NA)	(NA)	(NA)	(NA)
	1963....	537	623.1	20	31	48	64	94	96
	1958....	514	355.1	18	28	47	64	(NA)	(NA)
	1954....	437	329.3	20	29	46	(NA)	95	44
	1947....	377	193.3	18	28	47	(NA)	49	47
2879	Agricultural chemicals, n.e.c.....	223	817.0	39	61	77	91	87	72
	1966....	(NA)	692.7	36	56	(NA)	(NA)	(NA)	(NA)
	1963....	241	476.7	33	51	70	86	87	69
2891	Adhesives and gelatin.....	247	473.6	27	42	64	84	84	77
	1966....	(NA)	456.0	29	43	(NA)	(NA)	(NA)	(NA)
	1963....	294	351.7	28	44	64	82	83	72
2892	Explosives.....	37	647.0	67	91	99	100	93	93
	1966....	(NA)	469.4	72	87	(NA)	(NA)	(NA)	(NA)
	1963....	41	283.3	72	86	99	100	88	94
	1958....	45	222.5	77	89	98	100	98	96
	1954....	40	389.6	79	92	99	100	98	91
	1947....	35	136.4	80	89	98	100	87	99
2893	Printing ink.....	207	375.6	49	64	79	90	93	95
	1966....	(NA)	377.0	48	58	(NA)	(NA)	(NA)	(NA)
	1963....	216	268.0	48	63	77	90	93	92
	1958....	193	223.6	53	65	78	91	91	97
	1954....	188	180.6	54	65	79	(NA)	90	95
	1947....	151	115.7	57	69	81	(NA)	92	78
	1935....	(NA)	(NA)	49	60	(NA)	(NA)	(NA)	(NA)
2895	Carbon black.....	11	167.8	72	(D)	100	(X)	100	100
	1966....	(NA)	187.8	70	100	(NA)	(NA)	(NA)	(NA)
	1963....	8	149.1	72	100	(X)	(X)	(D)	(D)
2899	Chemical preparations, n.e.c.....	1,275	1,381.6	19	28	43	62	82	72
	1966....	(NA)	1,322.5	20	31	(NA)	(NA)	(NA)	(NA)
	1963....	r 1,312	r 964.6	r 20	30	r 46	r 64	82	71
MAJOR GROUP 29. PETROLEUM AND COAL PRODUCTS									
2911	Petroleum refining.....	276	20,293.9	33	57	84	96	98	97
	1966....	(NA)	18,758.7	32	57	(NA)	(NA)	(NA)	(NA)
	1963....	266	16,496.9	34	56	82	95	98	45 97
	1958....	289	14,106.3	32	55	82	94	98	45 98
	1954....	253	11,757.2	33	56	84	(NA)	99	45 98
	1947....	277	6,623.7	37	59	83	(NA)	99	45 97
	1935....	(NA)	(NA)	38	58	(NA)	(NA)	(NA)	(NA)
2951	Paving mixtures and blocks.....	553	584.6	14	22	35	51	93	95
	1966....	(NA)	479.2	15	23	(NA)	(NA)	(NA)	(NA)
	1963....	528	427.5	15	21	35	51	92	89
	1958....	415	255.3	11	17	31	51	93	89
	1954....	252	126.6	15	24	42	(NA)	97	94
	1947....	182	51.0	19	30	45	(NA)	99	88
	1935....	(NA)	(NA)	48	63	(NA)	(NA)	(NA)	(NA)
2952	Asphalt felts and coatings.....	115	597.8	38	65	86	97	91	95
	1966....	(NA)	589.4	38	65	(NA)	(NA)	(NA)	(NA)
	1963....	126	527.6	37	66	85	97	90	92
	1958....	120	420.7	37	64	86	97	90	92
	1954....	108	400.8	39	67	89	(NA)	91	94
	1947....	104	338.2	42	65	87	(NA)	95	95
	1935....	(NA)	(NA)	42	68	(NA)	(NA)	(NA)	(NA)

See footnotes at end of table.

TABLE 5. Percent of Value of Shipments Accounted for by the Largest Companies in Each Manufacturing Industry: 1967 and Earlier Years—Continued

Code	Industry and year <sup>1</sup>	Companies <sup>2</sup>  (number)	Value of shipments <sup>3</sup>				Primary product special- ization ratio <sup>5</sup>  (percent)	Coverage ratio <sup>6</sup>  (percent)		
			Total  (million dollars)	Percent accounted for by-- <sup>4</sup>						
				4 largest companies	8 largest companies	20 largest companies			50 largest companies	
MAJOR GROUP 29. PETROLEUM AND COAL PRODUCTS--Continued										
2992	Lubricating oils and greases.....1967....	256	487.3	38	50	68	84	93	32	
	1966....	(NA)	527.4	36	48	(NA)	(NA)	(NA)	(NA)	
	1963....	311	471.2	36	48	65	80	91	46 33	
	1958....	284	260.2	29	44	63	80	83	46 25	
	1954....	265	224.2	28	42	61	(NA)	87	18	
	1947....	205	169.3	36	48	66	(NA)	89	19	
2999	Petroleum and coal products, n.e.c.....1967....	38	79.8	82	92	99	100	99	92	
	1966....	(NA)	64.1	80	91	(NA)	(NA)	(NA)	(NA)	
	1963....	59	71.5	70	84	96	99+	96	91	
	1958....	74	67.8	63	72	89	99	95	96	
	1954....	39	58.5	58	72	95	100	94	89	
	1947....	( <sup>19</sup> )	4747.5	( <sup>19</sup> )	( <sup>19</sup> )	( <sup>19</sup> )	( <sup>19</sup> )	( <sup>19</sup> )	( <sup>19</sup> )	
MAJOR GROUP 30. RUBBER AND PLASTICS PRODUCTS, N.E.C.										
3011	Tires and inner tubes.....1967....	119	3,733.9	70	88	97	100	95	99	
	1966....	(NA)	3,715.8	71	90	(NA)	(NA)	(NA)	(NA)	
	1963....	105	2,949.7	70	89	97	99+	(D)	99	
3021	Rubber footwear.....1967....	51	427.0	59	75	92	(D)	(NA)	(NA)	
	1966....	(NA)	410.1	63	80	(NA)	(NA)	(NA)	(NA)	
	1963....	44	354.2	62	77	94	100	93	90	
	1958....	22	219.0	65	82	(D)	100	88	90	
	1954....	19	166.4	72	87	100	(X)	84	85	
	1947....	20	198.7	81	93	100	(X)	80	99	
3031	Reclaimed rubber.....1935....	(NA)	(NA)	81	100	(NA)	(NA)	(NA)	(NA)	
	1967....	19	43.8	87	96	100	(X)	83	75	
	1966....	(NA)	52.4	(S)	(S)	(NA)	(NA)	(NA)	(NA)	
	1963....	7	48.9	93	100	(X)	(X)	(D)	77	
	1958....	12	37.6	87	97	100	(X)	94	74	
	1954....	15	39.0	73	94	100	(X)	87	74	
3069	Fabricated rubber products, n.e.c.....1947....	14	17.2	84	96	100	(X)	95	44	
	1967....	1,024	3,139.4	21	33	48	65	88	89	
	1966....	(NA)	3,139.0	22	34	(NA)	(NA)	(NA)	(NA)	
	1963....	1,046	2,598.0	23	35	49	65	86	98	
	3079	Miscellaneous plastics products.....1967....	4,495	5,414.5	8	13	21	33	93	84
		1966....	(NA)	4,658.3	8	12	(NA)	(NA)	(NA)	(NA)
1963....		4,101	3,165.4	8	12	20	31	92	80	
MAJOR GROUP 31. LEATHER AND LEATHER PRODUCTS										
3111	Leather tanning and finishing.....1967....	474	870.1	20	31	50	71	98	99	
	1966....	(NA)	940.5	19	30	(NA)	(NA)	(NA)	(NA)	
	1963....	482	758.4	18	30	47	70	99	100	
	1958....	520	732.4	18	30	47	68	100	100	
	1954....	525	706.2	18	28	45	(NA)	98	100	
	1947....	500	1,070.3	27	39	55	(NA)	100	100	
	1935....	(NA)	(NA)	22	34	(NA)	(NA)	(NA)	(NA)	
3121	Industrial leather belting.....1967....	65	53.8	62	74	90	99	85	90	
	1966....	(NA)	53.1	72	(S)	(NA)	(NA)	(NA)	(NA)	
	1963....	81	51.9	67	77	89	98	89	84	
	1958....	98	61.8	70	79	88	97	90	92	
	1954....	128	62.2	67	74	84	(NA)	97	92	
	1947....	178	57.4	44	57	74	(NA)	91	98	
3131	Footwear cut stock.....1935....	(NA)	(NA)	39	53	(NA)	(NA)	(NA)	(NA)	
	1967....	348	262.8	19	28	44	64	94	93	
	1966....	(NA)	(282.8)	19	25	(NA)	(NA)	(NA)	(NA)	
	1963....	414	229.3	20	27	40	60	93	94	
	1958....	472	243.0	19	29	41	58	95	95	
	1954....	522	246.4	22	32	44	(NA)	97	96	
3141	Shoes, except rubber <sup>21</sup> .....1947....	544	294.3	30	41	55	(NA)	99	97	
	1935....	(NA)	(NA)	32	42	(NA)	(NA)	(NA)	(NA)	
	1967....	676	2,780.3	7	34	46	61	99	98	
	1966....	(NA)	2,650.1	26	34	(NA)	(NA)	(NA)	(NA)	
	1963....	784	2,249.2	25	32	43	57	99	99	
	1958....	871	2,026.2	27	34	43	55	99	99	
3141	Shoes, except rubber <sup>21</sup> .....1954....	970	1,790.7	30	36	45	(NA)	99	99	
	1947....	1,077	1,726.6	28	35	45	(NA)	99	100	

See footnotes at end of table.



TABLE 5. Percent of Value of Shipments Accounted for by the Largest Companies in Each Manufacturing Industry: 1967 and Earlier Years—Continued

Code	Industry and year <sup>1</sup>	Companies <sup>2</sup>  (number)	Value of shipments <sup>3</sup>				Primary product specialization ratio <sup>5</sup> (percent)	Coverage ratio <sup>6</sup> (percent)	
			Total (million dollars)	Percent accounted for by-- <sup>4</sup>					
				4 largest companies	8 largest companies	20 largest companies			50 largest companies
MAJOR GROUP 31. LEATHER AND LEATHER PRODUCTS--Continued									
3142	House slippers <sup>21</sup> .....	125	181.0	22	37	63	88	92	93
	1966.....	(NA)	162.0	18	31	(NA)	(NA)	(NA)	(NA)
	1963.....	149	123.6	20	34	58	84	90	85
	1958.....	159	111.0	18	30	56	83	90	85
	1954.....	170	90.5	19	31	54	(NA)	89	87
	1947.....	( <sup>19</sup> )	67.4	( <sup>19</sup> )	( <sup>19</sup> )	( <sup>19</sup> )	( <sup>19</sup> )	( <sup>19</sup> )	( <sup>19</sup> )
3151	Leather gloves and mittens.....	136	86.7	30	43	65	89	90	84
	1966.....	(NA)	89.6	25	36	(NA)	(NA)	(NA)	(NA)
	1963.....	160	80.6	22	34	57	84	81	89
3161	Luggage.....	328	334.2	34	45	59	77	96	94
	1966.....	(NA)	275.8	35	45	(NA)	(NA)	(NA)	(NA)
	1963.....	377	210.3	31	40	55	73	95	94
3171	Women's handbags and purses.....	488	327.2	10	17	30	52	98	98
	1966.....	(NA)	291.9	11	19	(NA)	(NA)	(NA)	(NA)
	1963.....	539	280.3	11	18	31	51	98	98
	1958.....	613	227.4	10	15	27	48	96	98
	1954.....	710	188.8	8	14	26	(NA)	97	98
	1947.....	725	163.3	7	13	23	(NA)	99	97
3172	Personal leather goods.....	293	186.2	33	44	60	78	94	92
	1966.....	(NA)	195.8	32	45	(NA)	(NA)	(NA)	(NA)
	1963.....	325	159.0	31	45	60	78	96	92
3199	Leather goods, n.e.c.....	358	96.5	19	28	45	67	94	87
	1966.....	(NA)	(90.9)	19	(S)	(NA)	(NA)	(NA)	(NA)
	1963.....	365	67.1	17	26	44	66	94	82
	1958 <sup>48</sup> ..	429	54.4	14	21	(NA)	(NA)	96	84
MAJOR GROUP 32. STONE, CLAY, AND GLASS PRODUCTS									
3211	Flat glass.....	39	611.3	94	98	99	100	<sup>49</sup> 85	(D)
	1966.....	(NA)	638.1	96	99+	(NA)	(NA)	(NA)	(NA)
	1963.....	11	549.4	94	99+	100	(X)	(D)	(D)
	1958.....	13	382.7	92	99	100	(X)	(D)	(D)
	1954.....	16	370.5	90	99	100	(X)	90	(D)
	1947.....	( <sup>19</sup> )	223.7	( <sup>19</sup> )	( <sup>19</sup> )	( <sup>19</sup> )	( <sup>19</sup> )	( <sup>19</sup> )	( <sup>19</sup> )
3221	Glass containers.....	39	1,352.4	60	75	95	100	99	99
	1966.....	(NA)	1,207.5	59	74	(NA)	(NA)	(NA)	(NA)
	1963.....	40	1,004.5	55	72	92	100	99	99
	1958.....	42	855.8	58	75	93	100	99	99
	1954.....	38	635.1	63	78	92	100	98	99
	1947.....	41	422.6	63	79	93	100	(D)	(D)
3229	Pressed and blown glass, n.e.c.....	139	886.2	71	83	93	99	97	98
	1966.....	(NA)	926.6	72	85	(NA)	(NA)	(NA)	(NA)
	1963.....	75	630.9	68	81	93	99	96	97
	1958.....	111	441.0	64	79	90	96	98	98
	1954.....	255	411.3	67	77	88	(NA)	98	96
	1947.....	107	234.8	51	65	80	(NA)	96	91
3231	Products of purchased glass.....	845	794.7	42	50	61	74	<sup>49</sup> 90	(D)
	1966.....	(NA)	754.1	40	50	(NA)	(NA)	(NA)	(NA)
	1963.....	1,016	627.3	43	49	59	70	(D)	(D)
3241	Cement, hydraulic.....	66	1,246.5	29	49	82	99+	99	99
	1966.....	(NA)	1,253.4	30	51	(NA)	(NA)	(NA)	(NA)
	1963.....	55	1,176.9	29	49	82	99+	99	100
	1958.....	62	1,069.4	32	50	78	99	99	100
	1954.....	67	811.1	31	48	73	(NA)	99	100
	1947.....	73	408.9	30	45	70	(NA)	100	100
	1935.....	(NA)	(NA)	29	44	(NA)	(NA)	(NA)	(NA)
3251	Brick and structural tile.....	377	362.0	14	22	35	57	98	99
	1966.....	(NA)	386.8	13	21	(NA)	(NA)	(NA)	(NA)
	1963.....	401	325.1	12	19	33	54	98	98
	1958.....	471	278.5	12	20	33	50	96	98
	1954.....	510	250.4	13	20	34	(NA)	96	98
	1947.....	574	144.5	10	17	30	(NA)	95	97
3253	Ceramic wall and floor tile.....	57	160.5	52	76	94	99+	93	99
	1966.....	(NA)	162.1	51	74	(NA)	(NA)	(NA)	(NA)
	1963.....	71	164.7	49	69	88	99+	95	99

See footnotes at end of table.



TABLE 5. Percent of Value of Shipments Accounted for by the Largest Companies in Each Manufacturing Industry: 1967 and Earlier Years-Continued

Code	Industry and year <sup>1</sup>	Companies <sup>2</sup>  (number)	Value of shipments <sup>3</sup>				Primary product specialization ratio <sup>5</sup> (percent)	Coverage ratio <sup>6</sup> (percent)	
			Total  (million dollars)	Percent accounted for by-- <sup>4</sup>					
				4 largest companies	8 largest companies	20 largest companies			50 largest companies
MAJOR GROUP 32. STONE, CLAY, AND GLASS PRODUCTS--Continued									
3255	Clay refractories.....1967....	83	246.1	44	64	86	99	92	92
	1966....	(NA)	267.1	41	62	(NA)	(NA)	(NA)	(NA)
	1963....	80	192.2	41	60	83	98	91	93
	1958....	104	157.5	43	61	81	95	93	95
	1954....	113	136.4	43	60	79	(NA)	92	95
	1947....	108	109.3	41	57	76	(NA)	93	94
3259	Structural clay products, n.e.c.....1967....	110	152.9	31	51	79	95	91	96
	1966....	(NA)	155.7	33	52	(NA)	(NA)	(NA)	(NA)
	1963....	126	159.7	36	55	79	94	89	95
3261	Vitreous plumbing fixtures.....1967....	34	170.0	62	84	99	100	95	96
	1966....	(NA)	180.7	56	77	(NA)	(NA)	(NA)	(NA)
	1963....	34	155.7	57	78	98	100	97	97
	1958....	35	130.8	54	75	96	100	97	97
	1954....	25	116.3	65	84	99	100	99	99
	1947....	26	68.1	58	82	99+	100	98	99
3262	Vitreous china food utensils.....1967....	35	67.2	70	88	98	100	<sup>4</sup> 90	89
	1966....	(NA)	60.0	75	93	(NA)	(NA)	(NA)	(NA)
	1963....	26	51.0	69	88	99+	100	<sup>4</sup> 90	91
	1958....	26	47.3	60	80	99	100	96	96
	1954....	32	44.5	55	73	97	110	95	96
	1947....	26	43.2	56	75	99	100	97	97
3263	Fine earthenware food utensils.....1967....	20	47.1	61	87	100	100	86	86
	1966....	(NA)	47.6	61	87	(NA)	(NA)	(NA)	(NA)
	1963....	20	59.0	57	83	100	(X)	92	91
	1958....	29	49.4	43	69	98	100	98	91
	1954....	46	66.4	37	57	88	100	98	92
	1947....	74	72.1	38	57	87	(NA)	92	97
3264	Porcelain electrical supplies.....1967....	65	225.0	47	70	90	99+	85	98
	1966....	(NA)	197.1	49	69	(NA)	(NA)	(NA)	(NA)
	1963....	74	131.8	46	67	88	99+	91	95
	1958....	57	92.6	46	68	89	99	92	93
	1954....	42	77.9	46	70	92	100	94	87
	1947....	47	71.5	44	64	90	100	89	93
3269	Pottery products, n.e.c. <sup>50</sup> .....1967....	424	96.1	28	37	55	75	97	87
	1963....	449	95.5	32	41	58	75	87	89
3271	Concrete block and brick.....1967....	1,534	550.1	4	7	13	23	92	86
	1966....	(NA)	585.9	4	7	(NA)	(NA)	(NA)	(NA)
	1963....	1,786	505.2	5	7	12	22	92	84
3272	Concrete products, n.e.c.....1967....	3,055	1,201.1	11	17	28	39	96	94
	1966....	(NA)	1,189.7	13	(S)	(NA)	(NA)	(NA)	(NA)
	1963....	3,130	925.7	17	23	32	42	94	94
3273	Ready-mixed concrete <sup>51</sup> .....1967....	4,032	2,684.2	6	9	16	24	93	98
	1966....	(NA)	2,527.8	5	8	(NA)	(NA)	(NA)	(NA)
	1963....	3,999	2,292.5	4	7	13	22	92	98
	1958....	3,104	1,559.3	4	7	13	21	94	97
3274	Lime.....1967....	78	176.5	35	54	79	99	87	93
	1966....	(NA)	197.9	31	47	(NA)	(NA)	(NA)	(NA)
	1963....	81	164.4	37	56	82	99	82	94
	1958....	94	129.7	38	57	80	98	84	95
	1954....	113	109.2	35	53	80	(NA)	84	97
	1947....	132	72.8	30	47	69	(NA)	93	97
3275	Gypsum products.....1967....	55	387.7	80	93	99+	99+	96	98
	1966....	(NA)	394.4	80	95	(NA)	(NA)	(NA)	(NA)
	1963....	60	425.1	84	97	99+	99+	97	98
	1958....	72	350.6	88	96	98	99	97	98
	1954....	48	282.2	90	97	99	100	95	98
	1947....	33	127.5	85	94	99+	100	97	98
3281	Cut stone and stone products.....1967....	776	236.4	18	27	37	51	95	99
	1966....	(NA)	224.2	17	25	(NA)	(NA)	(NA)	(NA)
	1963....	857	217.2	20	28	38	51	94	99
	1958....	959	198.5	16	24	32	44	96	97
	1954....	961	181.8	12	21	30	(NA)	93	99
	1947....	629	67.3	8	13	21	(NA)	100	98

See footnotes at end of table.

TABLE 5. Percent of Value of Shipments Accounted for by the Largest Companies in Each Manufacturing Industry: 1967 and Earlier Years--Continued

Code	Industry and year <sup>1</sup>	Companies <sup>2</sup>  (number)	Value of shipments <sup>3</sup>				Primary product specialization ratio <sup>5</sup> (percent)	Coverage ratio <sup>6</sup> (percent)	
			Total  (million dollars)	Percent accounted for by-- <sup>4</sup>					
				4 largest companies	8 largest companies	20 largest companies			50 largest companies
MAJOR GROUP 32. STONE, CLAY, AND GLASS PRODUCTS--Continued									
3291	Abrasive products.....1967....	320	725.3	48	57	71	85	91	85
	.....1966....	(NA)	1,015.6	56	63	(NA)	(NA)	(NA)	(NA)
	.....1963....	340	704.2	58	67	77	88	(D)	95
	.....1958....	318	466.6	58	68	77	88	83	96
	.....1954....	290	332.5	50	58	71	(NA)	94	87
	.....1947....	236	225.4	49	56	72	(NA)	94	86
	.....1935....	(NA)	(NA)	67	74	(NA)	(NA)	(NA)	(NA)
3292	Asbestos products.....1967....	81	575.0	55	75	94	99+	93	90
	.....1966....	(NA)	591.1	56	74	(NA)	(NA)	(NA)	(NA)
	.....1963....	73	509.2	56	76	95	99+	95	91
	.....1958....	69	433.3	59	76	95	99	89	92
	.....1954....	74	346.2	60	77	( <sup>52</sup> )	( <sup>52</sup> )	87	93
	.....1947....	85	206.2	( <sup>52</sup> )	( <sup>52</sup> )	( <sup>52</sup> )	( <sup>52</sup> )	87	90
3293	Gaskets and insulations.....1967....	288	352.8	30	40	57	79	83	81
	.....1966....	(NA)	353.7	33	42	(NA)	(NA)	(NA)	(NA)
	.....1963....	282	297.2	35	47	64	82	81	78
	.....1958....	271	170.9	25	36	58	79	87	69
	.....1954....	227	153.4	33	47	68	(NA)	86	70
	.....1947....	174	120.1	42	59	80	(NA)	83	75
	.....1935....	(NA)	(NA)	46	62	(NA)	(NA)	(NA)	(NA)
3295	Minerals, ground or treated.....1967....	382	280.9	26	36	56	76	96	89
	.....1966....	(NA)	292.1	24	39	(NA)	(NA)	(NA)	(NA)
	.....1963....	313	204.4	24	38	59	79	94	86
3296	Mineral wool.....1967....	77	454.4	71	84	95	99	92	95
	.....1966....	(NA)	461.0	71	83	(NA)	(NA)	(NA)	(NA)
	.....1963....	89	391.9	67	83	95	99	90	96
3297	Nonclay refractories.....1967....	59	307.1	38	58	89	99+	90	88
	.....1966....	(NA)	333.1	42	61	(NA)	(NA)	(NA)	(NA)
	.....1963....	51	250.2	49	66	91	(D)	94	88
3299	Nonmetallic mineral products, n.e.c.....1967....	325	99.9	37	49	66	82	82	89
	.....1966....	(NA)	115.9	35	(S)	(NA)	(NA)	(NA)	(NA)
	.....1963....	313	96.2	37	48	66	82	86	96
MAJOR GROUP 33. PRIMARY METAL INDUSTRIES									
3312	Blast furnaces and steel mills.....1967....	200	78,910.1	48	66	83	96	( <sup>53</sup> )	( <sup>53</sup> )
	.....1966....	(NA)	79,643.6	49	66	(NA)	(NA)	(NA)	(NA)
	.....1963....	161	77,699.5	48	67	85	95	( <sup>53</sup> )	( <sup>53</sup> )
	.....1958....	148	75,980.0	53	70	84	96	( <sup>53</sup> )	( <sup>53</sup> )
	.....1954 <sup>54</sup> ....	(NA)	75,014.4	55	71	86	(NA)	(NA)	(NA)
	.....1947 <sup>54</sup> ....	(NA)	72,844.6	50	66	81	(NA)	(NA)	(NA)
	.....1935....	(NA)	(NA)	46	62	(NA)	(NA)	(NA)	(NA)
3313	Electrometallurgical products.....1967....	21	467.9	74	90	(D)	100	85-90	<sup>55</sup> 82
	.....1966....	(NA)	509.3	74	91	(NA)	(NA)	(NA)	(NA)
	.....1963....	20	382.1	79	95	100	(X)	85-90	<sup>55</sup> 77
	.....1958....	19	397.3	73	91	100	(X)	96	<sup>55</sup> 76
	.....1954....	17	271.8	77	93	100	(X)	92	<sup>55</sup> 68
	.....1947....	10	150.9	88	(D)	100	(X)	88	( <sup>55</sup> )
3315	Steel wire and related products, etc.....1967....	200	845.2	24	34	53	78	90	37
	.....1966....	(NA)	799.6	26	38	(NA)	(NA)	(NA)	(NA)
	.....1963....	171	592.3	28	39	59	85	89	30
3316	Cold finishing of steel shapes.....1967....	77	1,038.7	34	51	77	98	87	24
	.....1966....	(NA)	975.7	34	51	(NA)	(NA)	(NA)	(NA)
	.....1963....	59	751.6	36	55	82	99+	94	20
3317	Steel pipe and tubes.....1967....	123	1,148.6	32	45	72	92	89	38
	.....1966....	(NA)	1,072.3	26	43	(NA)	(NA)	(NA)	(NA)
	.....1963....	114	809.0	27	42	71	93	91	37
3321	Gray iron foundries <sup>56</sup> .....1967....	969	2,637.8	27	36	50	64	93	86
	.....1966....	(NA)	2,728.2	27	37	(NA)	(NA)	(NA)	(NA)
	.....1963....	1,062	1,984.9	28	37	51	65	93	88
	.....1958....	1,199	1,406.4	24	33	47	61	95	87
	.....1954....	1,321	1,418.9	26	34	46	(NA)	94	87
	.....1947....	1,554	1,173.0	16	24	35	(NA)	92	87

See footnotes at end of table..



TABLE 5. Percent of Value of Shipments Accounted for by the Largest Companies in Each Manufacturing Industry: 1967 and Earlier Years—Continued

Code	Industry and year <sup>1</sup>	Companies <sup>2</sup>  (number)	Value of shipments <sup>3</sup>				Primary product specialization ratio <sup>5</sup> (percent)	Coverage ratio <sup>6</sup> (percent)	
			Total  (million dollars)	Percent accounted for by-- <sup>4</sup>					
				4 largest companies	8 largest companies	20 largest companies			50 largest companies
MAJOR GROUP 33. PRIMARY METAL INDUSTRIES--Continued									
3322	Malleable iron foundries.....1967....	72	438.3	47	59	77	97	85	89
	.....1966....	(NA)	449.4	48	60	(NA)	(NA)	(NA)	(NA)
	.....1963....	76	317.5	46	58	76	96	87	8
	.....1958....	73	210.8	42	56	73	96	87	90
	.....1954....	71	212.4	50	59	76	(NA)	86	89
	.....1947....	68	184.4	35	48	69	(NA)	88	91
3323	Steel foundries.....1967....	256	1,213.2	20	33	52	75	90	89
	.....1966....	(NA)	1,279.0	22	35	(NA)	(NA)	(NA)	(NA)
	.....1963....	222	871.0	23	36	56	79	85	89
	.....1958....	209	590.7	25	37	56	77	86	86
	.....1954....	207	534.7	21	34	53	(NA)	88	87
	.....1947....	177	403.2	23	36	57	(NA)	89	83
3331	Primary copper.....1967....	15	7262.6	77	98	100	(X)	(57)	(57)
	.....1966....	(NA)	7362.5	71	97	(NA)	(NA)	(NA)	(NA)
	.....1963....	13	7285.5	78	98	100	(X)	(57)	(57)
	.....1958....	11	7161.7	87	99	100	(X)	(57)	(57)
	.....1954....	10	7163.7	(58)	(58)	(58)	(58)	(58)	(58)
	.....1947....	(19)	793.2	(19)	(19)	(19)	(19)	(19)	(19)
3332	Primary lead.....1967....	14	748.3	(D)	(D)	100	(X)	(57)	(57)
	.....1966....	(NA)	765.0	(D)	100	(X)	(X)	(NA)	(NA)
	.....1963....	6	724.9	(D)	100	(X)	(X)	(57)	(57)
	.....1958....	5	724.4	(D)	100	(X)	(X)	(57)	(57)
	.....1954....	5	730.8	(D)	100	(X)	(X)	(57)	(57)
	.....1947....	6	735.9	(D)	100	(X)	(X)	(57)	(57)
3333	Primary zinc.....1967....	11	332.8	59	90	100	(X)	88	5581
	.....1966....	(NA)	379.9	60	91	(NA)	(NA)	(NA)	(NA)
	.....1963....	11	281.5	57	90	100	(X)	92	5581
	.....1958....	11	203.4	62	93	100	(X)	90	5576
	.....1954....	13	230.5	56	87	100	(X)	87	(55)
	.....1947....	14	191.0	53	82	100	(X)	(NA)	(55)
3334	Primary aluminum.....1967....	10	1,608.7	(D)	100	(X)	(X)	97	(55)
	.....1966....	(NA)	1,496.2	(D)	100	(X)	(X)	(NA)	(NA)
	.....1963....	7	1,090.0	(D)	100	(X)	(X)	100	5575
	.....1958....	6	801.7	(D)	100	(X)	(X)	100	5576
	.....1954....	3	604.1	100	(X)	(X)	(X)	100	5578
	.....1947....	3	161.0	100	(X)	(X)	(X)	100	(55)
3339	Primary nonferrous metals, n.e.c.....1967....	41	284.4	60	80	98	100	87	5540
	.....1966....	(NA)	309.2	53	71	(NA)	(NA)	(NA)	(NA)
	.....1963....	32	212.2	61	78	96	100	83	5539
	.....1958....	24	96.5	62	86	99	100	92	5524
	.....1954....	(58)	(58)	(58)	(58)	(58)	(58)	(58)	(58)
	.....1947....	(19)	24.3	(19)	(19)	(19)	(19)	(19)	(19)
3341	Secondary nonferrous metals.....1967....	351	1,586.0	26	42	62	79	89	5526
	.....1966....	(NA)	1,709.2	29	44	(NA)	(NA)	(NA)	(NA)
	.....1963....	406	1,045.5	29	42	58	75	94	5526
	.....1958....	349	648.2	26	41	59	76	93	5530
	.....1954....	(58)	(58)	(58)	(58)	(58)	(58)	(58)	(58)
	.....1947....	(19)	(19)	(19)	(19)	(19)	(19)	(19)	(19)
3351	Copper rolling and drawing.....1967....	86	2,391.1	41	65	85	98	90	93
	.....1966....	(NA)	2,846.3	43	67	(NA)	(NA)	(NA)	(NA)
	.....1963....	81	1,657.5	45	67	87	99	90	91
3352	Aluminum rolling and drawing.....1967....	155	2,958.9	65	79	89	96	89	5589
	.....1966....	(NA)	3,099.8	65	78	(NA)	(NA)	(NA)	(NA)
	.....1963....	166	2,196.4	68	79	87	95	85	5593
3356	Nonferrous rolling and drawing, n.e.c.....1967....	115	984.0	49	67	85	98	89	5584
	.....1966....	(NA)	1,051.1	46	68	(NA)	(NA)	(NA)	(NA)
	.....1963....	108	641.0	46	66	86	97	84	5581
	.....1958....	120	467.6	43	64	84	97	77	5582
	.....1954....	(58)	(58)	(58)	(58)	(58)	(58)	(58)	(58)
	.....1947....	(19)	(19)	(19)	(19)	(19)	(19)	(19)	(19)
3357	Nonferrous wiredrawing and insulating.....1967....	206	3,591.4	39	55	76	92	93	5589
	.....1966....	(NA)	3,711.1	39	56	(NA)	(NA)	(NA)	(NA)
	.....1963....	210	2,117.9	44	62	79	92	91	5588

See footnotes at end of table.



TABLE 5. Percent of Value of Shipments Accounted for by the Largest Companies in Each Manufacturing Industry: 1967 and Earlier Years--Continued

Code	Industry and year <sup>1</sup>	Companies <sup>2</sup>  (number)	Value of shipments <sup>3</sup>				Primary product specialization ratio <sup>5</sup>  (percent)	Coverage ratio <sup>6</sup>  (percent)	
			Total  (million dollars)	Percent accounted for by-- <sup>4</sup>					
				4 largest companies	8 largest companies	20 largest companies			50 largest companies
MAJOR GROUP 33. PRIMARY METAL INDUSTRIES--Continued									
3361	Aluminum castings.....1967....	970	920.5	24	31	42	55	83	85
	1966....	(NA)	916.8	25	32	(NA)	(NA)	(NA)	(NA)
	1963....	926	640.2	33	40	50	64	81	83
3362	Brass, bronze, and copper castings.....1967....	516	445.2	18	28	45	63	83	82
	1966....	(NA)	451.7	20	28	(NA)	(NA)	(NA)	(NA)
	1963....	535	287.5	18	27	44	61	84	78
3369	Nonferrous castings, n.e.c.....1967....	352	556.3	29	39	54	73	83	82
	1966....	(NA)	498.3	25	34	(NA)	(NA)	(NA)	(NA)
	1963....	386	302.7	18	26	44	66	78	75
3391	Iron and steel forgings.....1967....	248	1,261.6	30	40	57	77	90	<sup>55</sup> 72
	1966....	(NA)	1,273.1	31	42	(NA)	(NA)	(NA)	(NA)
	1963....	248	868.9	30	39	56	77	89	<sup>55</sup> 69
	1958....	287	675.4	31	39	56	77	86	<sup>55</sup> 72
	1954....	247	595.4	27	38	59	(NA)	88	73
	1947....	240	370.1	24	35	54	(NA)	95	77
	1935....	(NA)	(NA)	21	32	(NA)	(NA)	(NA)	(NA)
3392	Nonferrous forgings.....1967....	37	333.1	77	85	97	100	67	54
	1966....	(NA)	311.4	78	85	(NA)	(NA)	(NA)	(NA)
	1963....	32	165.1	84	91	99	100	69	55
3399	Primary metal products, n.e.c.....1967....	868	578.5	14	23	36	51	97	85
	1966....	(NA)	398.8	16	27	(NA)	(NA)	(NA)	(NA)
	1963....	695	284.7	17	28	41	55	93	87
MAJOR GROUP 34. FABRICATED METAL PRODUCTS									
3411	Metal cans.....1967....	96	2,890.6	73	84	94	99	90	98
	1966....	(NA)	2,631.3	71	83	(NA)	(NA)	(NA)	(NA)
	1963....	99	2,075.0	74	85	95	99	97	98
	1958....	84	1,803.7	80	89	97	99	95	96
	1954....	<sup>59</sup> 109	1,366.8	80	88	96	(NA)	98	99
	1947....	102	678.9	78	86	94	(NA)	97	99
	1935....	(NA)	(NA)	80	85	(NA)	(NA)	(NA)	(NA)
3421	Cutlery.....1967....	138	378.5	69	77	87	97	79	95
	1966....	(NA)	373.6	66	76	(NA)	(NA)	(NA)	(NA)
	1963....	156	283.4	66	76	87	96	89	97
	1958....	181	176.8	53	65	78	92	91	96
	1954....	179	169.8	49	61	77	(NA)	88	96
	1947....	192	142.6	41	54	73	(NA)	93	94
3423	Hand and edge tools, n.e.c.....1967....	630	813.5	22	34	53	73	93	85
	1966....	(NA)	808.1	22	35	(NA)	(NA)	(NA)	(NA)
	1963....	681	565.6	21	34	52	72	87	84
	1958 <sup>60</sup> ..	(NA)	402.4	19	30	(NA)	(NA)	(NA)	(NA)
3425	Handsaws and saw blades.....1967....	74	154.3	51	71	89	99	80	82
	1966....	(NA)	149.9	55	76	(NA)	(NA)	(NA)	(NA)
	1963....	70	102.8	48	66	90	99	78	85
	1958....	82	84.8	49	66	89	98	82	90
	1954....	95	83.7	56	70	89	(NA)	71	90
	1947....	81	70.4	66	75	90	(NA)	78	87
	1935....	(NA)	(NA)	63	76	(NA)	(NA)	(NA)	(NA)
3429	Hardware, n.e.c.....1967....	979	2,368.3	38	45	58	70	91	95
	1966....	(NA)	2,343.8	38	45	(NA)	(NA)	(NA)	(NA)
	1963....	1,025	1,785.1	39	45	57	70	91	93
3431	Metal sanitary ware.....1967....	83	251.2	51	69	90	99	83	89
	1966....	(NA)	262.3	47	67	(NA)	(NA)	(NA)	(NA)
	1963....	75	234.9	49	68	91	99	84	91
3432	Plumbing fixtures and brass goods.....1967....	210	404.7	28	43	64	88	93	86
	1966....	(NA)	396.3	32	43	(NA)	(NA)	(NA)	(NA)
	1963....	247	333.8	30	41	60	83	90	83
3433	Heating equipment, except electric.....1967....	496	1,069.0	22	33	50	71	77	80
	1966....	(NA)	1,167.3	16	26	(NA)	(NA)	(NA)	(NA)
	1963....	611	1,019.8	16	27	45	66	76	81
3441	Fabricated structural steel.....1967....	1,865	2,967.8	13	18	26	38	89	91
	1966....	(NA)	2,601.7	14	20	(NA)	(NA)	(NA)	(NA)
	1963....	1,636	1,916.0	15	20	28	41	86	89

See footnotes at end of table.

TABLE 5. Percent of Value of Shipments Accounted for by the Largest Companies in Each Manufacturing Industry: 1967 and Earlier Years--Continued

Code	Industry and year <sup>1</sup>	Companies <sup>2</sup>  (number)	Value of shipments <sup>3</sup>				Primary product specialization ratio <sup>5</sup> (percent)	Coverage ratio <sup>6</sup> (percent)		
			Total (million dollars)	Percent accounted for by-- <sup>4</sup>						
				4 largest companies	8 largest companies	20 largest companies	50 largest companies			
MAJOR GROUP 34. FABRICATED METAL PRODUCTS--Continued										
3442	Metal doors, sash, and trim.....	1967....	1,540	1,413.6	10	16	26	42	91	94
		1966....	(NA)	1,397.2	10	16	(NA)	(NA)	(NA)	(NA)
		1963....	1,712	1,253.8	8	13	23	38	88	94
3443	Fabricated platework (boiler shops).....	1967....	1,346	2,688.5	30	36	48	59	91	85
		1966....	(NA)	2,323.3	28	35	(NA)	(NA)	(NA)	(NA)
		1963....	1,301	1,623.0	25	34	48	59	89	93
3444	Sheet metalwork.....	1967....	2,942	1,812.4	10	16	26	39	88	83
		1966....	(NA)	1,834.8	11	17	(NA)	(NA)	(NA)	(NA)
		1963....	3,139	1,303.7	11	16	24	35	88	78
		1958....	3,066	973.8	15	20	27	39	88	83
		1954....	2,363	738.5	19	28	36	(NA)	81	80
		1947....	1,665	420.5	21	29	38	(NA)	83	82
		1935....	(NA)	(NA)	17	26	(NA)	(NA)	(NA)	(NA)
3446	Architectural metalwork.....	1967....	1,360	484.9	28	36	48	62	83	77
		1966....	(NA)	342.0	15	21	(NA)	(NA)	(NA)	(NA)
		1963....	1,326	269.3	13	19	32	50	86	71
3449	Miscellaneous metalwork.....	1967....	594	1,082.0	21	31	47	69	89	77
		1966....	(NA)	1,014.5	24	36	(NA)	(NA)	(NA)	(NA)
		1963....	649	704.2	25	35	53	71	89	68
3451	Screw machine products.....	1967....	1,847	1,021.5	6	9	17	28	96	90
		1966....	(NA)	949.0	4	7	(NA)	(NA)	(NA)	(NA)
		1963....	1,861	589.0	5	8	15	26	97	90
		1958....	1,784	415.3	9	12	19	30	95	86
		1954....	1,791	401.5	11	15	23	(NA)	93	82
		1947....	1,205	222.0	17	20	29	(NA)	94	86
3452	Bolts, nuts, rivets, and washers.....	1967....	577	1,643.9	18	27	47	68	94	90
		1966....	(NA)	1,661.8	18	28	(NA)	(NA)	(NA)	(NA)
		1963....	504	1,218.2	18	27	47	68	92	90
		1958....	470	844.5	17	27	45	67	88	89
		1954....	421	699.5	15	25	45	(NA)	91	89
		1947....	339	463.8	20	31	52	(NA)	92	86
3461	Metal stampings <sup>61</sup> .....	1967....	2,564	5,893.7	39	44	51	60	89	91
3471	Plating and polishing.....	1967....	3,170	791.1	5	9	15	24	(62)	(62)
		1966....	(NA)	719.8	5	8	(NA)	(NA)	(NA)	(NA)
		1963....	2,968	517.6	5	8	14	22	(62)	(62)
		1958....	2,588	353.5	5	7	12	21	(62)	(62)
		1954....	2,423	304.4	10	13	20	(NA)	(62)	(62)
		1947....	1,789	180.7	15	20	28	(NA)	(62)	(62)
		1935....	(NA)	(NA)	12	17	(NA)	(NA)	(NA)	(NA)
3479	Metal coating and allied services.....	1967....	1,393	471.3	18	26	37	50	(62)	(62)
		1966....	(NA)	469.1	15	24	(NA)	(NA)	(NA)	(NA)
		1963....	1,227	322.1	17	26	39	54	(62)	(62)
		1958 <sup>63</sup> ..	986	194.4	21	28	(NA)	(NA)	(62)	(62)
3481	Miscellaneous fabricated wire products.....	1967....	1,430	1,220.4	11	17	28	44	93	<sup>65</sup> 59
		1966....	(NA)	1,299.9	13	19	(NA)	(NA)	(NA)	(NA)
		1963....	1,464	1,030.9	13	19	31	46	93	<sup>65</sup> 65
		1958....	1,373	836.9	13	22	33	48	93	<sup>65</sup> 62
		1954....	1,205	744.8	18	26	40	(NA)	89	63
		1947....	853	466.0	20	31	48	(NA)	91	60
		1935....	(NA)	(NA)	23	35	(NA)	(NA)	(NA)	(NA)
3491	Metal barrels, drums, and pails.....	1967....	91	370.7	36	54	77	97	92	88
		1966....	(NA)	361.7	39	55	(NA)	(NA)	(NA)	(NA)
		1963....	95	303.4	40	56	77	97	92	86
3492	Sales and vaults.....	1967....	28	98.7	(D)	96	99+	100	87	85-90
		1966....	(NA)	91.8	(D)	(D)	(NA)	(NA)	(NA)	(NA)
		1963....	28	78.0	(D)	(D)	99+	100	81	90-95
		1958....	31	57.3	91	95	99+	100	78	97
		1954....	25	40.0	90	96	99+	100	87	97
		1947....	26	29.2	85	94	99+	100	98	98
		1935....	(NA)	(NA)	84	97	(NA)	(NA)	(NA)	(NA)
3493	Steel springs.....	1967....	105	192.4	27	47	78	96	88	63
		1966....	(NA)	162.2	41	62	(NA)	(NA)	(NA)	(NA)
		1963....	91	157.7	44	63	85	98	91	66

See footnotes at end of table.



TABLE 5. Percent of Value of Shipments Accounted for by the Largest Companies in Each Manufacturing Industry: 1967 and Earlier Years-Continued

Code	Industry and year <sup>1</sup>	Companies <sup>2</sup>  (number)	Value of shipments <sup>3</sup>				Primary product specialization ratio <sup>5</sup> (percent)	Coverage ratio <sup>6</sup> (percent)	
			Total  (million dollars)	Percent accounted for by-- <sup>4</sup>					
				4 largest companies	8 largest companies	20 largest companies			50 largest companies
MAJOR GROUP 34. FABRICATED METAL PRODUCTS--Continued									
3494	Valves and pipe fittings.....1967....	575	2,274.5	14	23	42	65	87	88
	1966....	(NA)	2,209.0	13	23	(NA)	(NA)	(NA)	(NA)
	1963....	580	1,588.5	13	23	41	62	86	85
	1958....	535	1,196.5	17	27	46	66	87	88
	1954....	523	959.0	17	27	47	(NA)	75	86
	1947....	436	633.8	24	32	50	(NA)	82	90
3496	Collapsible tubes.....1967....	15	65.0	61	92	100	(X)	80	100
	1966....	(NA)	65.0	54	86	(NA)	(NA)	(NA)	(NA)
	1963....	18	51.0	58	92	100	(X)	88	100
	1958....	18	41.4	54	86	100	(X)	91	100
	1954....	19	36.9	52	82	100	(X)	93	100
	1947....	19	27.0	53	81	100	(X)	91	100
1935....	(NA)	(NA)	52	79	(NA)	(NA)	(NA)	(NA)	
3497	Metal foil and leaf.....1967....	59	265.5	43	65	87	99+	85	56
	1966 <sup>T</sup> ....	(NA)	165.9	43	66	(NA)	(NA)	(NA)	(NA)
	1963 <sup>T</sup> ....	56	151.6	54	73	90	99+	86	41
3498	Fabricated pipe and fittings.....1967....	356	508.1	17	27	48	68	95	90
	1966....	(NA)	463.0	13	22	(NA)	(NA)	(NA)	(NA)
	1963....	328	305.6	17	28	48	71	92	91
	1958....	269	296.6	24	39	55	75	90	92
	1954....	237	225.9	27	42	62	(NA)	92	88
	1947....	206	116.0	22	36	59	(NA)	82	83
3499	Fabricated metal products, n.e.c.....1967....	1,233	981.7	14	21	34	50	90	71
	1966....	(NA)	850.3	16	23	(NA)	(NA)	(NA)	(NA)
	1963....	1,254	573.2	16	22	34	49	89	62
	1958....	962	316.1	19	29	42	59	88	62
	1954....	1,017	237.8	18	29	43	(NA)	85	53
	1947....	430	73.2	31	43	58	(NA)	90	60
MAJOR GROUP 35. MACHINERY, EXCEPT ELECTRICAL									
3511	Steam engines and turbines.....1967....	20	1,043.2	88	98	100	(X)	83	78
	1966....	(NA)	867.2	87	98	(NA)	(NA)	(NA)	(NA)
	1963....	17	616.4	93	98	100	(X)	85	82
3519	Internal combustion engines, n.e.c.....1967....	129	2,093.2	47	64	89	99	89	83
	1966....	(NA)	2,052.5	52	69	(NA)	(NA)	(NA)	(NA)
	1963....	120	1,473.6	49	65	89	99	86	86
3522	Farm machinery.....1967....	1,526	4,299.9	44	56	68	77	92	94
	1966....	(NA)	4,332.0	45	59	(NA)	(NA)	(NA)	(NA)
	1963....	1,481	2,842.2	43	55	67	77	89	95
3531	Construction machinery.....1967....	578	4,138.0	41	53	72	85	88	92
	1966....	(NA)	3,767.8	45	57	(NA)	(NA)	(NA)	(NA)
	1963....	561	2,696.0	42	53	70	84	91	89
3532	Mining machinery.....1967....	197	622.2	37	52	73	89	78	82
	1966....	(NA)	630.4	34	52	(NA)	(NA)	(NA)	(NA)
	1963....	198	417.6	35	53	74	91	75	82
3533	Oilfield machinery.....1967....	309	799.8	21	36	60	82	85	92
	1966....	(NA)	846.0	24	39	(NA)	(NA)	(NA)	(NA)
	1963....	373	666.5	25	37	57	80	90	91
3534	Elevators and moving stairways.....1967 <sup>64</sup> ....	130	319.7	55	67	81	94	94	95
	1966....	(NA)	352.6	63	74	(NA)	(NA)	(NA)	(NA)
	1963....	126	318.6	62	73	85	95	97	95
	1958....	135	189.4	62	71	82	93	97	80
	1954....	127	161.0	66	74	83	(NA)	87	89
	1947....	108	101.8	63	73	84	(NA)	92	91
3535	Conveyors and conveying equipment.....1967....	416	736.0	29	39	56	74	85	83
	1966....	(NA)	725.4	29	39	(NA)	(NA)	(NA)	(NA)
	1963....	428	494.6	28	39	60	78	82	83
3536	Hoists, cranes, and monorails.....1967....	139	444.4	44	61	80	93	78	83
	1966....	(NA)	437.3	44	62	(NA)	(NA)	(NA)	(NA)
	1963....	120	220.0	36	53	79	95	80	70

See footnotes at end of table.



TABLE 5. Percent of Value of Shipments Accounted for by the Largest Companies in Each Manufacturing Industry: 1967 and Earlier Years--Continued

Code	Industry and year <sup>1</sup>	Companies <sup>2</sup>  (number)	Value of shipments <sup>3</sup>				Primary product specialization ratio <sup>5</sup> (percent)	Coverage ratio <sup>6</sup> (percent)	
			Total  (million dollars)	Percent accounted for by-- <sup>4</sup>					
				4 largest companies	8 largest companies	20 largest companies			50 largest companies
			MAJOR GROUP 35. MACHINERY, EXCEPT ELECTRICAL--Continued						
3537	Industrial trucks and tractors.....1967....	337	778.0	48	62	76	81	93	86
	1966....	(NA)	792.1	49	63	(NA)	(NA)	(NA)	(NA)
	1963....	304	447.0	54	64	77	88	90	81
	1958....	251	255.0	52	64	77	88	92	84
	1954....	234	245.1	50	62	77	(NA)	88	83
	1947....	191	162.2	57	69	81	(NA)	84	84
3541	Machine tools, metal-cutting types.....1967....	865	2,127.2	21	33	54	77	86	90
	1966....	(NA)	1,826.1	22	34	(NA)	(NA)	(NA)	(NA)
	1963....	784	1,060.8	20	32	52	74	81	88
	1958....	608	684.8	21	32	52	74	82	90
	1954....	627	1,146.9	19	29	52	(NA)	84	93
	1947....	312	493.9	20	30	50	(NA)	77	86
3542	Machine tools, metal-forming types.....1967....	344	714.0	23	38	63	82	85	84
	1966....	(NA)	727.7	24	38	(NA)	(NA)	(NA)	(NA)
	1963....	362	441.4	22	39	61	80	86	79
3544	Special dies, tools, jigs, and fixtures.....1967....	6,532	2,202.3	4	7	12	19	94	74
	1966....	(NA)	2,217.9	5	8	(NA)	(NA)	(NA)	(NA)
	1963....	5,850	1,388.8	6	9	14	21	93	72
3545	Machine tool accessories.....1967....	1,073	1,309.9	20	32	47	64	85	85
	1966....	(NA)	1,230.3	20	32	(NA)	(NA)	(NA)	(NA)
	1963....	983	787.3	17	29	46	63	83	84
3548	Metalworking machinery, n.e.c.....1967....	409	1,158.1	26	41	66	84	86	88
	1966....	(NA)	1,148.0	25	40	(NA)	(NA)	(NA)	(NA)
	1963....	420	796.3	25	40	64	85	85	88
3551	Food products machinery.....1967....	611	830.2	22	34	49	66	88	86
	1966....	(NA)	827.3	21	32	(NA)	(NA)	(NA)	(NA)
	1963....	649	640.5	22	33	47	65	86	87
	1958....	657	429.5	16	27	43	61	86	84
	1954....	650	404.3	16	29	46	(NA)	84	86
	1947....	605	327.7	18	27	43	(NA)	89	82
3552	Textile machinery.....1967....	524	711.7	31	48	65	78	94	95
	1966....	(NA)	820.3	33	51	(NA)	(NA)	(NA)	(NA)
	1963....	529	542.7	35	52	67	80	93	94
	1958....	507	363.2	34	49	64	79	87	94
	1954....	517	336.8	32	46	63	(NA)	89	93
	1947....	470	403.4	30	44	59	(NA)	95	93
	1935....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
3553	Woodworking machinery.....1967....	232	314.4	37	51	70	88	83	87
	1966....	(NA)	382.5	32	45	(NA)	(NA)	(NA)	(NA)
	1963....	245	252.8	35	48	65	83	80	83
	1958....	251	204.7	39	52	69	85	79	86
	1954....	247	167.2	37	52	72	(NA)	84	81
	1947....	(19)	153.4	(19)	(19)	(19)	(19)	(19)	(19)
3554	Paper industries machinery.....1967....	206	551.4	43	54	72	90	92	86
	1966....	(NA)	502.8	37	51	(NA)	(NA)	(NA)	(NA)
	1963....	204	403.9	41	53	74	92	88	90
	1958....	192	292.4	47	58	78	92	93	90
	1954....	163	196.6	34	46	69	(NA)	85	86
	1947....	144	151.1	28	42	66	(NA)	85	89
3555	Printing trades machinery.....1967....	485	752.3	48	57	72	86	98	94
	1966....	(NA)	649.1	46	58	(NA)	(NA)	(NA)	(NA)
	1963....	463	448.4	44	53	68	83	95	93
	1958....	421	279.1	42	53	68	82	97	92
	1954....	342	248.7	38	57	73	(NA)	95	90
	1947....	300	199.4	31	48	70	(NA)	95	94
	1935....	(NA)	(NA)	32	47	(NA)	(NA)	(NA)	(NA)
3559	Special industry machinery, n.e.c. <sup>65</sup> .....1967....	1,085	1,833.0	13	21	35	54	82	81
3561	Pumps and compressors.....1967....	480	2,207.5	26	37	56	75	87	88
	1966....	(NA)	2,151.1	27	38	(NA)	(NA)	(NA)	(NA)
	1963....	589	1,419.1	26	36	55	75	85	86

See footnotes at end of table.

TABLE 5. Percent of Value of Shipments Accounted for by the Largest Companies in Each Manufacturing Industry: 1967 and Earlier Years—Continued

Code	Industry and year <sup>1</sup>	Companies <sup>2</sup>  (number)	Value of shipments <sup>3</sup>				Primary product specialization ratio <sup>5</sup> (percent)	Coverage ratio <sup>6</sup> (percent)	
			Total  (million dollars)	Percent accounted for by-- <sup>4</sup>					
				4 largest companies	8 largest companies	20 largest companies			50 largest companies
MAJOR GROUP 35. MACHINERY, EXCEPT ELECTRICAL--Continued									
3562	Ball and roller bearings.....	85	1,328.5	54	73	90	99	97	97
	1966.....	(NA)	1,398.9	56	74	(NA)	(NA)	(NA)	(NA)
	1963.....	93	998.8	57	76	91	99	97	98
	1958.....	85	638.9	57	77	92	99	97	98
	1954.....	83	537.2	60	79	92	(NA)	98	98
	1947.....	78	365.6	62	79	93	(NA)	94	96
3564	Blowers and fans.....	271	525.2	23	37	62	84	85	82
	1966.....	(NA)	444.3	25	39	(NA)	(NA)	(NA)	(NA)
	1963.....	225	315.3	27	43	67	88	83	79
	1958.....	197	250.5	28	43	66	86	83	79
	1954.....	208	261.8	31	49	68	(NA)	83	76
	1947.....	187	140.7	39	54	72	(NA)	75	78
3565	Industrial patterns.....	1,156	201.8	9	14	24	39	96	80
	1966.....	(NA)	233.0	(S)	(S)	(NA)	(NA)	(NA)	(NA)
	1963.....	1,206	140.7	9	14	24	37	96	80
3566	Power transmission equipment.....	476	1,263.4	25	39	57	73	90	83
	1966.....	(NA)	1,314.1	25	39	(NA)	(NA)	(NA)	(NA)
	1963.....	498	888.6	24	36	57	75	84	79
3567	Industrial furnaces and ovens.....	246	495.7	36	50	68	85	87	88
	1966.....	(NA)	401.0	35	48	(NA)	(NA)	(NA)	(NA)
	1963.....	229	279.1	28	42	62	84	84	79
3569	General industrial machinery, n.e.c. <sup>65</sup> .....	725	901.2	10	19	36	56	85	79
3572	Typewriters.....	20	595.5	81	99	100	(X)	86	99
	1966.....	(NA)	533.9	79	99	(NA)	(NA)	(NA)	(NA)
	1963.....	17	315.4	76	99	100	(X)	85	99
	1958.....	15	230.1	79	99	100	(X)	82	99-100
	1954.....	15	173.4	83	99	100	(X)	80	97
	1947.....	23	153.9	79	96	100	(X)	90-100	97-100
1935.....	(NA)	(NA)	(NA)	99	(NA)	(NA)	(NA)	(NA)	
3573	Electronic computing equipment <sup>66</sup> .....	134	1,926.4	66	83	92	98	( <sup>67</sup> )	( <sup>67</sup> )
3574	Calculating and accounting machines <sup>66</sup> .....	132	707.8	83	90	95	99	85	84
3576	Scales and balances.....	69	140.2	53	72	92	99	93	96
	1966.....	(NA)	130.7	50	69	(NA)	(NA)	(NA)	(NA)
	1963.....	81	98.5	50	69	88	99	92	97
3579	Office machines, n.e.c.....	170	516.6	63	74	87	96	89	77
	1966.....	(NA)	466.4	57	69	(NA)	(NA)	(NA)	(NA)
	1963.....	158	349.2	59	71	85	96	81	79
3581	Automatic merchandising machines.....	143	248.0	60	74	87	96	97	88
	1966.....	(NA)	279.5	61	77	(NA)	(NA)	(NA)	(NA)
	1963.....	148	238.0	55	72	84	95	81	90
3582	Commercial laundry equipment.....	109	183.1	51	63	83	97	92	79
	1966.....	(NA)	190.5	51	(S)	(NA)	(NA)	(NA)	(NA)
	1963.....	107	136.8	47	57	77	96	91	89
	1958.....	113	111.7	51	66	83	96	94	95
	1954.....	101	88.1	51	67	81	(NA)	83	93
	1947.....	119	4.4	59	69	81	(NA)	94	94
3585	Refrigeration machinery.....	624	1,479.8	31	45	62	78	( <sup>67</sup> )	( <sup>67</sup> )
	1966.....	(NA)	1,235.7	34	49	(NA)	(NA)	(NA)	(NA)
	1963.....	655	892.7	25	39	53	77	( <sup>67</sup> )	( <sup>67</sup> )
3586	Measuring and dispensing pumps.....	46	174.7	56	83	97	100	71	80
	1966.....	(NA)	206.9	48	77	(NA)	(NA)	(NA)	(NA)
	1963.....	42	159.5	46	80	97	100	73	85
	1958.....	32	110.5	52	85	99	100	66	90
	1954.....	( <sup>68</sup> )	104.4	( <sup>68</sup> )	( <sup>68</sup> )	( <sup>68</sup> )	( <sup>68</sup> )	( <sup>68</sup> )	( <sup>68</sup> )
	1947.....	51	125.1	49	76	97	(D)	76	98
3589	Service industry machines, n.e.c.....	554	598.1	14	24	44	66	89	88
	1966.....	(NA)	570.8	15	26	(NA)	(NA)	(NA)	(NA)
	1963.....	496	378.3	14	26	46	67	86	84
3599	Miscellaneous machinery, except electrical....	15,055	3,712.0	7	11	17	24	93	94
	1966.....	(NA)	2,864.8	6	11	(NA)	(NA)	(NA)	(NA)
	1963.....	12,032	2,036.3	8	12	20	27	90	90

See footnotes at end of table.



TABLE 5. Percent of Value of Shipments Accounted for by the Largest Companies in Each Manufacturing Industry: 1967 and Earlier Years—Continued

Code	Industry and year <sup>1</sup>	Companies <sup>2</sup>  (number)	Value of shipments <sup>3</sup>				Primary product specialization ratio <sup>5</sup>  (percent)	Coverage ratio <sup>6</sup>  (percent)	
			Total  (million dollars)	Percent accounted for by-- <sup>4</sup>					
				4 largest companies	8 largest companies	20 largest companies			50 largest companies
		MAJOR GROUP 36. ELECTRICAL EQUIPMENT AND SUPPLIES							
3611	Electrical measuring instruments.....1967....	502	1,184.0	35	45	61	77	84	79
	.....1966....	(NA)	1,020.5	36	48	(NA)	(NA)	(NA)	(NA)
	.....1963....	536	749.2	34	47	65	81	84	78
3612	Transformers.....1967....	150	1,188.4	65	78	92	97	95	98
	.....1966....	(NA)	1,053.0	66	80	(NA)	(NA)	(NA)	(NA)
	.....1963....	144	722.9	68	79	93	98	92	94
	.....1958....	153	639.1	71	84	94	98	94	93
	.....1954....	152	686.1	78	89	95	(NA)	87	94
	.....1947....	134	357.0	73	84	93	(NA)	85	91
3613	Switchgear and switchboard apparatus.....1967....	398	1,690.0	51	65	78	88	89	90
	.....1966....	(NA)	1,549.0	52	67	(NA)	(NA)	(NA)	(NA)
	.....1963....	338	1,093.7	51	65	79	89	87	89
3621	Motors and generators.....1967....	320	2,402.3	48	60	74	87	83	83
	.....1966....	(NA)	2,288.8	48	57	(NA)	(NA)	(NA)	(NA)
	.....1963....	316	1,709.8	50	59	73	88	81	84
	.....1958....	317	1,359.7	47	56	72	88	83	88
	.....1954....	266	1,389.1	50	59	75	(NA)	82	84
	.....1947....	224	995.6	59	66	80	(NA)	81	92
3622	Industrial controls.....1967....	456	1,102.8	49	63	77	88	83	81
	.....1966....	(NA)	1,049.0	50	65	(NA)	(NA)	(NA)	(NA)
	.....1963....	421	648.7	56	69	91	90	79	79
3623	Welding apparatus.....1967....	133	493.3	38	53	78	93	91	94
	.....1966....	(NA)	533.8	38	53	(NA)	(NA)	(NA)	(NA)
	.....1963....	133	330.2	41	54	79	94	93	89
	.....1958....	123	234.7	39	52	78	95	93	92
	.....1954....	111	168.8	39	52	76	(NA)	90	92
	.....1947....	103	103.7	46	58	79	(NA)	93	89
3624	Carbon and graphite products.....1967....	49	296.4	86	93	98	100	96	96
	.....1966....	(NA)	283.2	88	93	(NA)	(NA)	(NA)	(NA)
	.....1963....	40	226.9	83	92	98	100	93	96
	.....1958....	34	154.5	87	92	99	100	97	95
	.....1954....	43	111.0	86	93	98	100	98	94
	.....1947....	36	68.7	87	93	99	100	95	95
3629	Electrical industrial apparatus, n.e.c.....1967....	212	328.8	30	42	61	83	84	67
	.....1966....	(NA)	369.4	33	45	(NA)	(NA)	(NA)	(NA)
	.....1963....	226	238.3	38	51	67	84	80	72
3631	Household cooking equipment.....1967....	66	551.9	56	72	90	99+	92	77
	.....1966....	(NA)	548.5	54	71	(NA)	(NA)	(NA)	(NA)
	.....1963....	77	473.5	51	68	88	99+	87	72
3632	Household refrigerators and freezers.....1967....	31	1,785.4	73	93	99+	100	59	99
	.....1966....	(NA)	1,674.9	72	93	(NA)	(NA)	(NA)	(NA)
	.....1963....	31	1,306.5	74	91	99+	100	66	99
3633	Household laundry equipment.....1967....	25	982.5	78	95	99+	100	87	90
	.....1966....	(NA)	946.9	79	95	(NA)	(NA)	(NA)	(NA)
	.....1963....	31	760.2	78	95	99+	100	89	87
	.....1958....	34	722.2	71	90	99	100	91	91
	.....1954....	48	527.5	68	85	99	100	93	81
	.....1947....	59	442.3	40	65	91	(NA)	90	91
	.....1935....	(NA)	(NA)	56	79	(NA)	(NA)	(NA)	(NA)
3634	Electric housewares and fans.....1967....	248	1,112.0	52	63	80	94	90	86
	.....1966....	(NA)	1,127.8	50	61	(NA)	(NA)	(NA)	(NA)
	.....1963....	286	850.3	41	59	78	92	87	81
3635	Household vacuum cleaners.....1967....	34	293.2	76	94	99	100	75	84
	.....1966....	(NA)	252.6	78	98	(NA)	(NA)	(NA)	(NA)
	.....1963....	34	175.4	81	96	99	100	87	80
3636	Sewing machines.....1967....	83	123.6	81	92	97	99+	95-99	96
	.....1966....	(NA)	120.8	(D)	(S)	(NA)	(NA)	(NA)	(NA)
	.....1963....	83	117.2	(D)	93	97	99+	90-95	96
	.....1958....	80	95.4	(D)	93	97	99	97	94
	.....1954....	78	112.0	81	91	96	(NA)	91	94
	.....1947....	69	97.0	77	87	97	(NA)	95	94
	.....1935....	(NA)	(NA)	78	90	(NA)	(NA)	(NA)	(NA)

See footnotes at end of table.



TABLE 5. Percent of Value of Shipments Accounted for by the Largest Companies in Each Manufacturing Industry: 1967 and Earlier Years—Continued

Code	Industry and year <sup>1</sup>	Companies <sup>2</sup>  (number)	Value of shipments <sup>3</sup>				Primary product specialization ratio <sup>5</sup> (percent)	Coverage ratio <sup>6</sup> (percent)	
			Total  (million dollars)	Percent accounted for by-- <sup>4</sup>					
				4 largest companies	8 largest companies	20 largest companies	50 largest companies		
MAJOR GROUP 36. ELECTRICAL EQUIPMENT AND SUPPLIES--Continued									
3639	Household appliances, n.e.c.....	71	479.9	44	65	92	99+	87	79
	1966.....	(NA)	448.9	45	67	(NA)	(NA)	(NA)	(NA)
	1963.....	102	435.5	41	61	86	98	79	79
3641	Electric lamps.....	72	781.8	91	95	99	99+	94	95
	1966.....	(NA)	742.0	93	97	(NA)	(NA)	(NA)	(NA)
	1963.....	5954	574.5	92	96	99	(D)	95	96
	1958.....	35	409.5	92	97	99+	100	94	98
	1954.....	35	326.3	93	97	99+	100	94	99
	1947.....	35	203.2	92	96	99+	100	94	100
3642	Lighting fixtures.....	1,148	1,593.6	19	29	41	56	93	94
	1966.....	(NA)	1,544.1	18	28	(NA)	(NA)	(NA)	(NA)
	1963.....	1,203	1,159.5	17	26	38	54	93	93
	1958.....	1,180	798.5	16	23	33	49	89	92
	1954.....	1,211	641.6	20	28	39	(NA)	90	90
	1947.....	1,198	465.4	18	26	39	(NA)	90	89
3643	Current-carrying wiring devices.....	351	837.0	32	48	67	83	78	78
	1966.....	(NA)	811.3	32	48	(NA)	(NA)	(NA)	(NA)
	1963.....	431	616.0	28	44	64	82	80	83
3644	Noncurrent-carrying wiring devices.....	158	637.9	25	40	68	93	74	82
	1966.....	(NA)	673.9	22	36	(NA)	(NA)	(NA)	(NA)
	1963.....	168	479.0	22	39	66	91	77	80
3651	Radio and TV receiving sets.....	303	3,846.3	49	69	85	95	94	99
	1966.....	(NA)	4,117.4	48	68	(NA)	(NA)	(NA)	(NA)
	1963.....	322	2,254.9	41	62	82	94	91	96
3652	Phonograph records.....	306	276.4	58	67	81	92	99	96
	1966.....	(NA)	218.4	71	79	(NA)	(NA)	(NA)	(NA)
	1963.....	128	180.2	69	75	85	94	99	97
	1958.....	85	138.6	76	83	90	98	97	98
	1954.....	135	84.7	70	80	88	(NA)	94	97
	1947.....	96	110.2	79	87	94	(NA)	96	99
3661	Telephone and telegraph apparatus.....	82	71,536.7	92	96	99	99+	88	96
	1966.....	(NA)	71,431.8	94	97	(NA)	(NA)	(NA)	(NA)
	1963.....	65	71,013.8	92	96	99	99+	(57)	(57)
	1958.....	44	7749.7	92	97	99+	100	(57)	(57)
	1954.....	56	7497.8	90	95	(NA)	(NA)	(57)	(57)
	1947.....	50	7384.4	(69)	(69)	(69)	(69)	(57)	(57)
3662	Radio and TV communication equipment.....	1,111	8,555.8	22	37	61	81	89	92
	1966.....	(NA)	7,562.6	24	39	(NA)	(NA)	(NA)	(NA)
	1963.....	1,001	7,145.6	29	45	69	84	88	91
3671	Electron tubes, receiving type.....	28	300.6	94	99	99+	100	85	94
	1966.....	(NA)	336.1	95	99+	(NA)	(NA)	(NA)	(NA)
	1963.....	30	321.1	87	99	99+	100	89	95
3672	Cathode ray picture tubes.....	95	832.3	84	98	99+	99+	92	98
	1966.....	(NA)	812.4	89	(D)	(NA)	(NA)	(NA)	(NA)
	1963.....	148	269.1	91	95	97	99	85-90	90
3673	Electron tubes, transmitting.....	43	369.4	70	87	98	100	79	72
	1966.....	(NA)	369.9	57	77	(NA)	(NA)	(NA)	(NA)
	1963.....	45	299.5	52	77	96	100	80	75
3674	Semiconductors.....	141	1,141.0	47	65	85	98	92	87
	1966.....	(NA)	1,123.7	51	70	(NA)	(NA)	(NA)	(NA)
	1963.....	86	687.8	46	65	90	99	88	92
3679	Electronic components, n.e.c.....	1,775	4,809.5	32	38	51	65	83	85
	1966.....	(NA)	4,001.8	22	29	(NA)	(NA)	(NA)	(NA)
	1963.....	1,743	2,332.2	13	21	35	54	89	78
3691	Storage batteries.....	154	577.5	61	83	93	98	98	97
	1966.....	(NA)	615.7	60	80	(NA)	(NA)	(NA)	(NA)
	1963.....	169	516.5	59	78	92	97	98	99
	1958.....	206	366.6	64	81	91	96	99	100
	1954.....	244	341.4	64	80	90	(NA)	100	100
	1947.....	205	297.7	62	78	87	(NA)	90	99

See footnotes at end of table.

TABLE 5. Percent of Value of Shipments Accounted for by the Largest Companies in Each Manufacturing Industry: 1967 and Earlier Years-Continued

Code	Industry and year <sup>1</sup>	Companies <sup>2</sup>  (number)	Value of shipments <sup>3</sup>				Primary product specialization ratio <sup>5</sup> (percent)	Coverage ratio <sup>6</sup> (percent)	
			Total  (million dollars)	Percent accounted for by-- <sup>4</sup>					
				4 largest companies	8 largest companies	20 largest companies			50 largest companies
MAJOR GROUP 36. ELECTRICAL EQUIPMENT AND SUPPLIES--Continued									
3692	Primary batteries, dry and wet.....1967....	32	307.6	85	95	99+	100	97	86
	1966....	(NA)	277.0	88	97	(NA)	(NA)	(NA)	(NA)
	1963....	26	195.3	89	98	99+	100	96	91
	1958....	24	134.9	84	95	99+	100	99	98
	1954....	20	121.8	78	93	100	(X)	98	98
	1947....	23	85.0	76	95	99+	100	90-100	98-100
3693	X-ray apparatus and tubes.....1967....	78	233.2	62	77	92	99+	93	86
	1966....	(NA)	240.4	67	85	(NA)	(NA)	(NA)	(NA)
	1963....	56	143.7	67	79	93	99+	83	80
	1958....	126	77.2	63	74	87	96	85	82
	1954....	129	79.9	51	69	87	(NA)	81	91
	1947....	114	59.5	58	75	90	(NA)	94	93
3694	Engine electrical equipment.....1967....	239	1,364.7	66	77	89	96	81	85
	1966....	(NA)	1,342.5	72	81	(NA)	(NA)	(NA)	(NA)
	1963....	163	900.7	69	79	88	97	93	81
	1958....	147	565.7	66	78	91	95	81	85
	1954....	154	587.1	62	83	90	(NA)	85	87
	1947....	100	357.8	67	81	93	(NA)	89	91
3699	Electrical products, n.e.c.....1967....	528	290.8	23	34	52	73	93	<sup>55</sup> 50
	1966....	(NA)	319.3	30	40	(NA)	(NA)	(NA)	(NA)
	1963....	245	190.0	38	48	64	81	90	<sup>55</sup> 49
MAJOR GROUP 37. TRANSPORTATION EQUIPMENT									
3711	Motor vehicles <sup>70</sup> .....1967....	107	27,296.0	92	98	99+	99+	96	99
3714	Motor vehicle parts and accessories.....1967....	1,424	11,623.8	60	68	78	87	96	99
	Total, motor vehicles and motor vehicle parts and accessories <sup>70 71</sup> .....1967....	(NA)	<sup>7</sup> 13,065.6	76	81	(NA)	(NA)	(NA)	(NA)
	1966....	(NA)	<sup>7</sup> 14,476.6	77	81	(NA)	(NA)	(NA)	(NA)
	1963....	1,655	<sup>7</sup> 11,433.9	77	82	88	93	( <sup>57</sup> )	( <sup>57</sup> )
3713	Truck and bus bodies.....1967....	620	706.1	21	30	47	65	85	92
	1966....	(NA)	718.6	17	26	(NA)	(NA)	(NA)	(NA)
	1963....	594	476.7	22	32	50	66	88	86
	1958....	548	292.4	21	31	49	68	87	87
	1954....	555	256.9	( <sup>58</sup> )	( <sup>58</sup> )	( <sup>58</sup> )	( <sup>58</sup> )	86	87
	1947....	599	242.3	22	31	48	(NA)	79	90
3715	Truck trailers.....1967....	147	713.9	48	64	82	95	94	91
	1966....	(NA)	795.6	53	66	(NA)	(NA)	(NA)	(NA)
	1963....	175	515.7	59	69	81	93	92	93
	1958....	155	324.6	52	63	77	93	84	83
	1954....	115	305.5	57	68	84	(NA)	82	93
	1947....	107	155.7	56	67	83	(NA)	81	87
3721	Aircraft.....1967....	91	<sup>73</sup> 5,447.6	69	89	99	99+	83	97
	1966....	(NA)	<sup>73</sup> 4,674.6	67	88	(NA)	(NA)	(NA)	(NA)
	1963....	82	<sup>73</sup> 3,542.7	59	83	99	99+	69	96
	1958....	<sup>59</sup> 113	<sup>73</sup> 3,375.9	59	83	99	99+	81	99
	1954....	( <sup>72</sup> )	<sup>73</sup> 3,348.9	( <sup>72</sup> )	( <sup>72</sup> )	( <sup>72</sup> )	( <sup>72</sup> )	( <sup>72</sup> )	( <sup>72</sup> )
	1947....	( <sup>72</sup> )	<sup>73</sup> 606.0	( <sup>72</sup> )	( <sup>72</sup> )	( <sup>72</sup> )	( <sup>72</sup> )	( <sup>72</sup> )	( <sup>72</sup> )
3722	Aircraft engines and engine parts.....1967....	205	5,289.7	64	81	93	97	88	92
	1966 <sup>T</sup> ....	(NA)	4,424.6	60	79	(NA)	(NA)	(NA)	(NA)
	1963 <sup>T</sup> ....	194	4,024.9	57	79	94	99+	87	93
	1958....	186	3,359.3	56	77	92	94	94	93
	1954....	202	3,189.0	62	81	93	(NA)	93	91
	1947....	54	464.6	72	88	98	(NA)	90	95
3729	Aircraft equipment, n.e.c. <sup>74</sup> .....1967....	825	4,694.4	25	43	60	76	78	64
	1966....	(NA)	3,992.3	24	39	(NA)	(NA)	(NA)	(NA)
	1963....	(NA)	3,359.4	38	52	65	79	(NA)	(NA)
3731	Ship building and repairing.....1967....	389	<sup>73</sup> 2,518.2	42	59	77	90	95	98
	1966....	(NA)	<sup>73</sup> 2,338.9	42	61	(NA)	(NA)	(NA)	(NA)
	1963....	305	<sup>73</sup> 1,679.8	48	63	81	92	92	99
	1958....	293	<sup>73</sup> 1,626.3	48	66	80	91	93	99
	1954....	328	<sup>73</sup> 1,077.9	43	58	74	(NA)	92	99
	1947....	272	<sup>73</sup> 802.6	43	55	73	(NA)	94	98

See footnotes at end of table.



TABLE 5. Percent of Value of Shipments Accounted for by the Largest Companies in Each Manufacturing Industry: 1967 and Earlier Years—Continued

Code	Industry and year <sup>1</sup>	Companies <sup>2</sup>  (number)	Value of shipments <sup>3</sup>				Primary product special- ization ratio <sup>5</sup>  (percent)	Coverage ratio <sup>6</sup>  (percent)	
			Total  (million dollars)	Percent accounted for by-- <sup>4</sup>					
				4 largest companies	8 largest companies	20 largest companies			50 largest companies
MAJOR GROUP 37. TRANSPORTATION EQUIPMENT--Continued									
3732	Boat building and repairing.....1967....	1,565	571.4	19	27	41	57	96	91
	.....1966....	(NA)	485.1	20	29	(NA)	(NA)	(NA)	(NA)
	.....1963....	1,596	360.2	21	29	42	56	97	95
	.....1958....	1,622	310.2	18	25	37	52	94	95
	.....1954....	1,146	154.4	21	28	39	(NA)	93	85
	.....1947....	798	114.4	31	41	53	(NA)	83	88
3741	Locomotives and parts.....1967....	26	689.6	97	99	99+	100	80	92
	.....1966....	(NA)	700.7	98	99	(NA)	(NA)	(NA)	(NA)
	.....1963....	23	437.9	97	99	99+	100	83	90
	.....1958....	25	387.4	95	99	99+	100	85	90
	.....1954....	25	428.3	91	98	99+	100	82	95
	.....1947....	33	355.2	91	95	99	100	95	83
3742	Railroad and street cars.....1967....	79	1,420.9	53	69	90	99+	95	95
	.....1966....	(NA)	1,695.7	50	69	(NA)	(NA)	(NA)	(NA)
	.....1963....	68	927.2	53	73	93	99+	91	93
	.....1958....	55	554.4	58	81	97	99+	88	91
	.....1954....	47	495.8	64	81	98	100	83	86
	.....1947....	68	726.2	56	72	92	(NA)	91	91
3751	Motorcycles, bicycles, and parts.....1967....	87	299.6	57	76	95	99+	89	96
	.....1966....	(NA)	261.1	57	78	(NA)	(NA)	(NA)	(NA)
	.....1963....	85	192.9	56	77	94	99+	83	93
	.....1958....	49	118.3	58	81	97	99+	84	93
	.....1954....	44	95.6	50	77	97	100	86	92
	.....1947....	75	163.7	42	68	92	(NA)	87	89
.....1935....	(NA)	(NA)	60	90	(NA)	(NA)	(NA)	(NA)	
3791	Trailer coaches.....1967....	708	1,324.5	19	31	48	67	99	99
	.....1966....	(NA)	1,089.3	21	33	(NA)	(NA)	(NA)	(NA)
	.....1963....	348	713.1	22	37	53	71	98	99
3799	Transportation equipment, n.e.c.....1967....	442	284.4	15	24	41	64	94	75
	.....1966....	(NA)	232.2	18	28	(NA)	(NA)	(NA)	(NA)
	.....1963....	507	167.4	14	23	40	62	89	75
MAJOR GROUP 38. INSTRUMENTS AND RELATED PRODUCTS									
3811	Engineering and scientific instruments.....1967....	642	1,000.8	28	38	56	71	88	73
	.....1966....	(NA)	748.7	29	41	(NA)	(NA)	(NA)	(NA)
	.....1963....	571	553.9	29	40	58	75	84	56
3821	Mechanical measuring devices.....1967....	605	1,455.1	20	34	58	79	86	82
	.....1966....	(NA)	1,428.5	21	33	(NA)	(NA)	(NA)	(NA)
	.....1963....	510	1,143.5	22	36	61	81	90	23
3822	Automatic temperature controls.....1967....	88	618.0	56	75	96	99+	81	81
	.....1966....	(NA)	628.5	59	77	(NA)	(NA)	(NA)	(NA)
	.....1963....	89	527.4	55	75	96	99+	82	95
3831	Optical instruments and lenses.....1967....	287	406.9	49	59	74	88	87	74
	.....1966....	(NA)	332.4	56	66	(NA)	(NA)	(NA)	(NA)
	.....1963....	272	196.0	41	53	73	87	90	61
	.....1958....	222	89.0	46	60	74	88	90	66
	.....1954....	(58)	(58)	(58)	(58)	(58)	(58)	(58)	(58)
	.....1947....	(19)	45.3	(19)	(19)	(19)	(19)	(19)	(19)
3841	Surgical and medical instruments.....1967....	298	475.4	38	54	72	88	91	63
	.....1966....	(NA)	360.1	40	51	(NA)	(NA)	(NA)	(NA)
	.....1963....	256	284.0	47	58	72	86	88	74
3842	Surgical appliances and supplies.....1967....	755	837.9	44	53	66	80	80	86
	.....1966....	(NA)	768.9	45	55	(NA)	(NA)	(NA)	(NA)
	.....1963....	525	594.8	49	58	71	84	80	90
3843	Dental equipment and supplies.....1967....	314	220.5	41	53	73	89	94	94
	.....1966....	(NA)	205.6	37	50	(NA)	(NA)	(NA)	(NA)
	.....1963....	267	147.8	37	50	70	88	94	92
	.....1958....	240	108.7	45	57	73	89	95	92
	.....1954....	193	79.2	40	53	73	(NA)	95	94
	.....1947....	209	71.1	40	52	72	(NA)	97	94
.....1935....	(NA)	(NA)	51	67	(NA)	(NA)	(NA)	(NA)	

See footnotes at end of table.



TABLE 5. Percent of Value of Shipments Accounted for by the Largest Companies in Each Manufacturing Industry: 1967 and Earlier Years-Continued

Code	Industry and year <sup>1</sup>	Companies <sup>2</sup>  (number)	Value of shipments <sup>3</sup>				Primary product specialization ratio <sup>5</sup> (percent)	Coverage ratio <sup>6</sup> (percent)		
			Total  (million dollars)	Percent accounted for by-- <sup>4</sup>						
				4 largest companies	8 largest companies	20 largest companies			50 largest companies	
MAJOR GROUP 38. INSTRUMENTS AND RELATED PRODUCTS--Continued										
3851	Ophthalmic goods.....	1967....	432	426.0	51	58	71	84	88	95
		1966....	(NA)	346.8	60	70	(NA)	(NA)	(NA)	(NA)
		1963....	211	272.7	53	62	77	90	86	82
		1958....	226	191.5	52	62	74	86	87	98
		1954....	223	157.9	54	63	75	(NA)	83	94
		1947....	175	121.2	58	69	80	(NA)	86	97
3861	Photographic equipment and supplies.....	1967....	505	3,664.5	69	81	89	95	95	97
		1966....	(NA)	3,285.7	67	79	(NA)	(NA)	(NA)	(NA)
		1963....	499	1,851.2	63	76	86	93	95	97
		1958....	450	1,133.6	65	74	85	93	94	94
		1954....	( <sup>58</sup> )	( <sup>68</sup> )	( <sup>58</sup> )	( <sup>58</sup> )	( <sup>58</sup> )	( <sup>58</sup> )	( <sup>58</sup> )	( <sup>58</sup> )
		1947....	346	457.5	61	70	81	(NA)	93	97
	1935....	(NA)	(NA)	77	84	(NA)	(NA)	(NA)	(NA)	
3871	Watches and clocks.....	1967....	153	746.5	47	63	87	98	85	90
		1966....	(NA)	669.4	45	63	(NA)	(NA)	(NA)	(NA)
		1963....	150	511.2	46	65	90	98	82	85
		1958....	153	322.1	48	70	89	97	88	95
		1954....	141	330.0	44	68	80	(NA)	82	90
		1947....	183	341.2	41	59	82	(NA)	97	98
	1935....	(NA)	(NA)	37	59	(NA)	(NA)	(NA)	(NA)	
3872	Watchcases.....	1967....	45	55.6	68	81	97	100	78	96
		1966....	(NA)	58.1	55	(S)	(NA)	(NA)	(NA)	(NA)
		1963....	51	33.6	57	72	93	(D)	86	97
		1958....	58	34.6	57	71	89	99+	80	98
		1954....	63	35.0	40	58	85	(NA)	86	85
		1947....	81	44.5	40	60	84	(NA)	87	94
	1935....	(NA)	(NA)	58	80	(NA)	(NA)	(NA)	(NA)	
MAJOR GROUP 39. MISCELLANEOUS MANUFACTURING INDUSTRIES										
3911	Jewelry, precious metal.....	1967....	1,477	741.8	23	28	38	49	91	96
		1966....	(NA)	693.8	25	32	(NA)	(NA)	(NA)	(NA)
		1963....	1,428	481.9	26	33	42	53	92	97
		1958....	1,300	303.3	18	25	36	48	95	98
		1954....	1,323	258.1	15	23	36	(NA)	93	96
		1947....	1,342	248.2	13	20	32	(NA)	92	95
3912	Jewelers' findings and materials.....	1967....	232	128.6	31	44	63	83	90	94
		1966....	(NA)	(108.2)	24	35	(NA)	(NA)	(NA)	(NA)
		1963....	228	72.8	33	45	65	83	92	89
		1958....	248	56.5	27	41	58	80	90	97
		1954....	234	69.3	43	53	66	(NA)	92	91
		1947....	180	73.5	39	52	75	(NA)	92	93
3913	Lapidary work.....	1967....	296	89.5	30	47	70	89	95	78
		1966....	(NA)	(74.6)	40	51	(NA)	(NA)	(NA)	(NA)
		1963....	318	65.1	38	53	72	88	93	81
		1958....	326	38.5	16	28	53	79	99	87
		1954....	332	33.6	21	31	51	(NA)	97	91
		1947....	270	30.3	26	38	58	(NA)	98	98
	1935....	(NA)	(NA)	37	54	(NA)	(NA)	(NA)	(NA)	
3914	Silverware and plated ware.....	1967....	186	339.1	56	67	82	93	95	99
		1966....	(NA)	325.1	55	66	(NA)	(NA)	(NA)	(NA)
		1963....	201	238.0	55	66	81	91	95	98
		1958....	198	192.2	54	67	79	91	95	98
		1954....	190	211.1	61	72	83	(NA)	91	97
		1947....	221	221.6	61	72	82	(NA)	98	97
	1935....	(NA)	(NA)	56	68	(NA)	(NA)	(NA)	(NA)	
3931	Musical instruments and parts.....	1967....	304	434.3	35	58	79	91	97	98
		1966....	(NA)	437.3	36	57	(NA)	(NA)	(NA)	(NA)
		1963....	288	314.4	38	54	73	88	97	92
3941	Games and toys.....	1967....	653	1,113.5	25	36	56	73	88	96
		1966....	(NA)	1,157.2	22	32	(NA)	(NA)	(NA)	(NA)
		1963....	767	796.6	15	25	43	63	92	91
		1958....	845	532.1	13	22	35	53	95	93
		1954....	872	382.7	18	25	40	(NA)	95	89
		1947....	830	181.9	20	29	44	(NA)	92	90

See footnotes at end of table.

TABLE 5. Percent of Value of Shipments Accounted for by the Largest Companies in Each Manufacturing Industry: 1967 and Earlier Years-Continued

Code	Industry and year <sup>1</sup>	Companies <sup>2</sup>  (number)	Value of shipments <sup>3</sup>				Primary product specialization ratio <sup>5</sup>  (percent)	Coverage ratio <sup>6</sup>  (percent)	
			Total  (million dollars)	Percent accounted for by-- <sup>4</sup>					
				4 largest companies	8 largest companies	20 largest companies	50 largest companies		
MAJOR GROUP 39. MISCELLANEOUS MANUFACTURING INDUSTRIES--Continued									
3942	Dolls.....	331	162.8	19	31	51	72	99+	70
	1966....	(NA)	150.2	(S)	(S)	(NA)	(NA)	(NA)	(NA)
	1963....	404	247.9	(D)	50	62	75	80-85	87
	1958....	482	160.3	12	20	37	59	98	94
	1954....	484	142.7	19	29	43	(NA)	92	97
	1947....	374	69.8	39	48	62	(NA)	89	98
3943	Children's vehicles, except bicycles.....	41	78.7	57	78	99	100	81	61
	1966....	(NA)	95.8	45	69	(NA)	(NA)	(NA)	(NA)
	1963....	60	77.5	43	67	94	99+	71	65
	1958....	57	71.6	37	62	91	99+	84	81
	1954....	58	76.6	46	66	90	(NA)	76	90
	1947....	119	85.8	30	52	79	(NA)	81	79
1935....	(NA)	(NA)	47	64	(NA)	(NA)	(NA)	(NA)	
3949	Sporting and athletic goods, n.e.c.....	1,304	853.3	28	35	47	62	95	91
	1966....	(NA)	805.1	27	34	(NA)	(NA)	(NA)	(NA)
	1963....	1,361	704.7	37	44	52	64	93	91
	1958....	1,167	542.5	41	49	58	69	88	91
	1954....	1,007	293.7	21	31	47	(NA)	90	86
	1947....	843	202.3	24	37	53	(NA)	94	90
3951	Pens and mechanical pencils.....	113	211.8	46	60	80	96	93	92
	1966....	(NA)	216.4	46	60	(NA)	(NA)	(NA)	(NA)
	1963....	122	185.5	48	60	79	94	90	93
3952	Lead pencils and art goods.....	123	158.9	42	61	79	95	85	93
	1966....	(NA)	159.6	39	57	(NA)	(NA)	(NA)	(NA)
	1963....	140	121.6	37	55	75	94	87	90
	1958 <sup>7,8</sup> ..	138	93.4	44	60	(NA)	(NA)	88	92
3953	Marking devices.....	561	146.3	30	43	54	67	90	91
	1966....	(NA)	162.2	26	40	(NA)	(NA)	(NA)	(NA)
	1963....	581	126.8	40	49	59	70	84	90
	1958....	495	53.6	23	29	41	57	96	86
	1954....	444	47.6	20	28	42	(NA)	90	89
	1947....	415	27.5	16	25	40	(NA)	89	89
1935....	(NA)	(NA)	18	28	(NA)	(NA)	(NA)	(NA)	
3955	Carbon paper and inked ribbons.....	87	206.8	37	54	78	98	94	79
	1966....	(NA)	196.5	38	56	(NA)	(NA)	(NA)	(NA)
	1963....	91	155.5	38	55	78	97	95	83
	1958....	97	116.4	29	47	75	94	91	89
	1954....	80	81.2	31	48	78	(NA)	93	83
	1947....	63	48.6	32	53	83	(NA)	90-100	90-100
1935....	(NA)	(NA)	35	56	(NA)	(NA)	(NA)	(NA)	
3961	Costume jewelry.....	763	376.5	22	31	43	60	95	92
	1966....	(NA)	335.0	25	33	(NA)	(NA)	(NA)	(NA)
	1963....	910	280.5	17	25	39	55	95	95
	1958....	1,049	245.3	12	18	32	48	95	96
	1954....	1,123	239.4	14	21	32	(NA)	95	95
	1947....	855	170.3	24	33	48	(NA)	90	91
3962	Artificial flowers.....	319	84.7	19	28	47	70	97	85
	1966....	(NA)	(73.5)	(S)	(S)	(NA)	(NA)	(NA)	(NA)
	1963....	367	60.4	17	26	42	62	97	87
	1958....	428	60.4	12	19	35	56	98	98
	1954....	466	50.0	9	16	32	(NA)	97	98
	1947....	443	39.5	10	17	33	(NA)	97	99
3963	Buttons.....	227	80.8	26	39	59	80	97	90
	1966....	(NA)	72.9	(S)	(S)	(NA)	(NA)	(NA)	(NA)
	1963....	282	81.8	27	39	59	78	96	87
	1958....	348	65.7	20	32	52	73	98	88
	1954....	395	64.8	20	29	47	(NA)	92	89
	1947....	412	59.5	20	32	52	(NA)	93	94
1935....	(NA)	(NA)	15	27	(NA)	(NA)	(NA)	(NA)	
3964	Needles, pins, and fasteners.....	262	385.3	47	58	71	86	93	89
	1966....	(NA)	409.3	43	55	(NA)	(NA)	(NA)	(NA)
	1963....	314	337.3	34	47	64	81	91	92
	1958....	359	214.8	35	47	64	80	93	89
	1954....	349	203.1	44	56	68	(NA)	82	91
	1947....	273	147.2	39	52	69	(NA)	91	89
1935....	(NA)	(NA)	63	76	(NA)	(NA)	(NA)	(NA)	

See footnotes at end of table.



TABLE 5. Percent of Value of Shipments Accounted for by the Largest Companies in Each Manufacturing Industry: 1967 and Earlier Years--Continued

Code	Industry and year <sup>1</sup>	Companies <sup>2</sup>  (number)	Value of shipments <sup>3</sup>				Primary product specialization ratio <sup>5</sup> (percent)	Coverage ratio <sup>6</sup> (percent)	
			Total  (million dollars)	Percent accounted for by-- <sup>4</sup>					
				4 largest companies	8 largest companies	20 largest companies	50 largest companies		
MAJOR GROUP 39. MISCELLANEOUS MANUFACTURING INDUSTRIES--Continued									
3991	Brooms and brushes.....1967....	516	371.8	33	44	58	75	90	92
	.....1966....	(NA)	374.4	32	42	(NA)	(NA)	(NA)	(NA)
	.....1963....	628	321.1	31	41	57	73	89	(NA)
	.....1958....	713	252.2	23	33	49	65	87	96
	.....1954....	688	185.4	21	32	47	(NA)	91	92
	.....1947....	698	179.8	22	36	54	(NA)	94	97
3993	Signs and advertising displays.....1967....	3,159	875.1	6	10	17	28	97	95
	.....1966....	(NA)	818.6	6	10	(NA)	(NA)	(NA)	(NA)
	.....1963....	3,165	646.8	5	8	15	26	96	95
	.....1958....	2,689	446.9	5	8	14	26	86	87
	.....1954....	2,600	353.3	8	11	18	(NA)	93	92
	.....1947....	1,933	204.7	5	9	18	(NA)	95	88
3994	Morticians' goods (previously identified as SIC 3988).....1967....	527	306.1	22	28	42	58	95	98
	.....1966....	(NA)	319.1	22	28	(NA)	(NA)	(NA)	(NA)
	.....1963....	581	290.0	20	27	41	57	95	98
	.....1958....	562	226.6	21	28	42	56	95	99
	.....1954....	541	166.1	20	26	38	(NA)	97	97
	.....1947....	525	188.8	26	34	45	(NA)	90	97
3996	Hard surface floor coverings (previously identified as SIC 3982).....1967....	18	221.7	89	99	100	(X)	86	97
	.....1966....	(NA)	230.3	89	98	(NA)	(NA)	(NA)	(NA)
	.....1963....	15	204.1	87	98	100	(X)	82	98
	.....1958....	11	178.8	83	(D)	100	(X)	(NA)	(NA)
	.....1954....	10	181.6	87	(D)	100	(X)	85	97
	.....1947....	14	173.3	80	95	100	(X)	91	100
3999	Manufactures, n.e.c. <sup>7</sup> .....1967....	2,165	943.3	10	17	28	42	94	90

Note: The figures shown in parentheses either have associated standard errors exceeding 15 percent or are not consistent with other Census series and related data. Thus, these estimates may be of limited reliability.

Standard Notes: - Represents zero. (D) Withheld to avoid disclosing figures for individual companies. (NA) Not available. (X) Not applicable. (S) Data suppressed because some of the largest companies were approximately the same size as others not included in the sample, and therefore a reliable numerator could not be computed. Revised.

n.e.c. Not elsewhere classified. n.s.k. Not specified by kind.

<sup>1</sup>Industry codes and descriptions are based on the 1957 Standard Industrial Classification Manual (SIC) as modified through 1967. This classification system represented a substantial revision from the previous 1945 edition and was put into effect with the final reports in the 1958 census. However, the concentration ratios in 1958 were tabulated on the 1945 edition to preserve comparability to prior years. Also in 1958, establishments in Alaska and Hawaii were not included as part of U.S. industry totals since these States did not attain Statehood until 1959. Data and ratios for 1958 and prior years are shown in this report only if the industry definitions are so closely comparable that the concentration ratios could not be affected by the shifting of plants due to industry classification changes or by the change in treatment of Alaska and Hawaii. (See "Concentration Ratios in Manufacturing Industry: 1958," Part I, table 7, for comparability of old-new industry definitions.)

<sup>2</sup>The determination of company affiliation of establishments is based on census reports and publicly available records. Value of shipment totals for establishments have been summarized into company totals in each manufacturing industry. "Largest" companies are determined by each company's value of shipments in the specified industry.

<sup>3</sup>Value of shipments figures are not completely comparable between the years 1963-67 and prior years. They include for all establishments classified in the industry (a) value of products primary to the industry, (b) value of all secondary products which are primary to other industries. (c) value of miscellaneous receipts such as receipts for contract and commission work on materials owned by others, scrap, salable refuse, repairs, etc., and (d) value of resales--i.e., products resold in same condition as bought. In 1958 and prior years value of resales was excluded from value of shipments.

<sup>4</sup>The percentages consist of the sum of the value of shipments of the largest 4 companies (or 8, 20, or 50 companies), divided by the total value of shipments of the industry.

<sup>5</sup>The "primary product specialization ratio" measures the extent to which plants classified in the industry specialize in making products regarded as primary to the industry; that is, value of shipments of primary products of plants in the industry is expressed as a ratio of the total shipments of all products made by these establishments (excluding miscellaneous receipts, such as receipts for contract and commission work on materials owned by others, scrap and salable refuse, repair, etc.).

<sup>6</sup>The "coverage ratio" measures the extent to which all shipments of primary products of an industry are made by plants classified in the industry, as distinguished from secondary producers elsewhere; that is, value of shipments of the primary products made by plants classified in the industry is expressed as a ratio of the total shipments of primary products made by all producers, both in and out of the specified industry.

<sup>7</sup>Value added by manufacture is shown for this industry rather than value of shipments because the latter contains a substantial and unmeasurable amount of duplication. The calculations for the 4, 8, 20, and 50 largest companies also are based on value added. The value added figure for 1963 and later years is adjusted value added; for 1958 and prior years it is unadjusted value added. Adjusted value added is calculated by subtracting the cost of materials including cost of resales from the value of shipments including resales and adjusting for the change in finished products and work-in-process inventories during the year. Unadjusted value added excludes value added by resales and any inventory change.

<sup>8</sup>Not completely comparable to 1954 and later years because of a change in industry classification. For discussion of 1947 to 1954 comparability, see 1954 Census of Manufactures, Volume II, Industry Statistics, "Dairy Products."

<sup>9</sup>In 1954, industry 2027, Fluid Milk, was composed of two industries, 2026, Fluid Milk (only), and 2027, Fluid Milk and Other Products. In 1954 figures on value of shipments and share of value of shipments accounted for by the 4 and 8 largest companies have been recalculated on a basis comparable to 1958. In 1947 and earlier years, establishments primarily distributing fluid milk were classified as nonmanufacturing.

<sup>10</sup>Establishments in Alaska and Hawaii are important producers in this industry. Recalculated figures cannot be shown for the 4, 8, 20, and 50 companies prior to 1963 without disclosing the operation of individual companies in Alaska and Hawaii.



TABLE 5. Percent of Value of Shipments Accounted for by the Largest Companies in Each Manufacturing Industry: 1967 and Earlier Years—Continued

FOOTNOTES—Continued

<sup>11</sup>Value of production shown for this industry rather than value of shipments. For 1963 and subsequent years the figure includes value of primary and secondary products made, miscellaneous receipts such as receipts for contract and commission work on materials owned by others, scrap and other salable refuse, and the value of products bought and resold in the same condition. For 1958 and prior years resales are excluded.

<sup>12</sup>The 1954 data for industry 2036 are not completely comparable to 1958 and subsequent years; 1947 data are not available. In 1947 industry 2036, Packaged Seafood, was in part (frozen packaged seafood) included in industry 2037, Frozen Fruits, Vegetables, and Fish, and in part (fresh packaged seafood) included in nonmanufacturing industries (principally industry 5046, Fish and Seafoods). A significant but undetermined number of establishments classified in industry 2036 in 1958 and 1963 were probably classified in industry 5046 in 1954.

<sup>13</sup>Includes data for 21 wholesale distributors of malt liquors. Each had less than 10 employees and had no significant effect on any of the statistics for the industry except the establishment and company counts.

<sup>14</sup>Bonded store rooms which were engaged in blending wines were included in 1966, 1963, 1958, and 1954, but excluded in 1947.

<sup>15</sup>The discrepancy between these figures and those appearing in table 1 of the 1958 Census of Manufactures, Volume II, Chapter 20H, Fats and Oils (82 companies and \$994,865 thousand value of shipments) is due to a misclassification of 16 small companies into industry 2092. These companies should have been classified into industry 2096, Shortening and Cooking Oils.

<sup>16</sup>The 1957 SIC combined into this industry two industries which were separate in the 1945 SIC: industry 2882, Linseed Oil Mills, and industry 2884, Vegetable Oil Mills, N.E.C. The 1958 value of shipments figures for these two industries have been combined and the ratios for the 4 and 8 largest companies have been recomputed on a basis comparable to 1963 and 1966.

<sup>17</sup>The SIC, as revised in 1963, combined into this industry two industries which were separate in the 1945 SIC: industry 2886, Grease and Tallow, and industry 2889, Animal Oils, N.E.C. The 1958 value of shipments figures for these two industries have been combined and the ratios for the 4 and 8 largest companies have been recomputed on a basis comparable to 1963 and 1966.

<sup>18</sup>The 1957 SIC combined into this industry two industries which were separate in the 1945 SIC: industry 2092, Shortening and Cooking Oils, and industry 2093, Margarine. The 1958 value of shipments figures for these two industries have been combined and the ratios for the 4 and 8 largest companies have been recomputed on a basis comparable to 1963 and 1966.

<sup>19</sup>Comparable data are not available because of significant changes in the 1947 classification of plants or products in this industry.

<sup>20</sup>Jobbers were included in 1947 but excluded in 1954 and later years.

<sup>21</sup>Value of production shown for this industry in 1958 and prior years whereas value of shipments is shown for 1963 and later years. This change does not affect the comparability significantly. For industries 2253, 2254, 2256 and 2259, the method of computing coverage and specialization ratios was changed in 1967, causing a significant decrease in some ratios. See the separate report in the Industry Series for a more detailed discussion of this subject.

<sup>22</sup>The SIC combined in this industry two industries which were separate in the 1957 SIC: industry 2255, Knit Glove Mills, and industry 2259, Knitting Mills, N.E.C. The 1958 value of production figures for these two industries have been combined and the ratios for the 4 and 8 largest companies have been recomputed on a basis comparable to 1963 and later years.

<sup>23</sup>Includes finished cotton broadwoven fabrics (except commission finishing) which are also primary to industry 2211, Weaving Mills, Cotton. See the separate report for this industry in the Industry Series for a more detailed discussion of this subject.

<sup>24</sup>Includes finished synthetic fabrics (except commission finishing) which are also primary to industry 2221, Weaving Mills, Synthetics. See the separate report for this industry in the Industry Series for a more detailed discussion of this subject.

<sup>25</sup>Includes finished yarns except wool which are also primary to industry 2281, Yarn Mills, Except Wool. See the separate report for this industry in the Industry Series for a more detailed discussion of this subject.

<sup>26</sup>Excludes shipments of finished purchased yarns from establishments classified in industry 2269, Finishing Plants, N.E.C. See the separate report for this industry in the Industry Series for a more detailed discussion of this subject.

<sup>27</sup>This industry included a large number of very small establishments in 1958, and there is a possibility that some were misclassified as to industry. Industry misclassification of these small establishments does not affect significantly any statistics other than the number of establishments and companies.

<sup>28</sup>This industry included a large number of very small establishments in 1963 and some of these small establishments may have been misclassified as to industry. Industry misclassification of these small establishments does not affect significantly any statistics other than the number of establishments and companies.

<sup>29</sup>Includes products of Knitting Mills (SIC Group 225) which are primary to industries 2253 and 2254. See the separate report for this industry in the Industry Series for a more detailed discussion of this subject.

<sup>30</sup>Includes the shipments of women's and children's knit underwear and nightwear made in knitting mills (primary products of industry 2254) as well as the shipments of these products cut and sewed from purchased knit cloth. See the separate report for this industry in the Industry Series for a more detailed discussion of this subject.

<sup>31</sup>The 1957 SIC combined into this industry four industries which were separate in the 1945 SIC: industry 2281, Fur-Felt Hats and Hat Bodies; industry 2282, Wool-Felt Hats and Hat Bodies; industry 2283, Straw Hats; and industry 2325, Men's and Boys' Cloth Hats. The 1958 value of production figures for these four industries have been combined and the ratios for the largest 4 and 8 companies have been recomputed on a basis comparable to 1963 and 1966.

<sup>32</sup>Includes the shipments of children's knit outerwear made in Knitting Mills (primary products of industry 2253) as well as the shipments of these products cut and sewed from purchased knit cloth. See the separate report for this industry in the Industry Series for a more detailed discussion of this subject.

<sup>33</sup>Includes the shipments of fabric gloves made in Knitting Mills (primary products of industry 2259) as well as the shipments of fabric gloves cut and sewed from purchased fabrics.

<sup>34</sup>The 1957 SIC combined in this industry two industries which were separate in the 1945 SIC: industry 2381, Fabric Dress Gloves, and industry 2382, Fabric Work Gloves. The 1958 value of shipments figures for these two industries have been combined and the ratios for the 4 and 8 largest companies have been recomputed on a basis comparable to 1963 and 1966.

<sup>35</sup>A review of the reports for 1963 indicated that there were approximately 300 very small companies included in this industry which described their activities as custom drapery producers, interior decorators workrooms, etc. Approximately half of these companies were classified as nonmanufacturing in the 1958 Census.

<sup>36</sup>For 1963 the value of shipments total includes shipments of logs for establishments that own and maintain timberlands but contract the cutting of logs to others. The establishments that actually performed the logging on a contract basis also reported their receipts for contract logging under the heading total value of shipments. Thus, an undetermined amount of duplication exists in the shipments total. The figures previously reported for 1958 and prior years do not include shipments for timberland owners that do not perform their own logging.

<sup>37</sup>The coverage ratio for this industry is unusually low because of the large amount of wood chips manufactured by establishments classified in industry 2421, Sawmills and Planing Mills, general.

<sup>38</sup>The 1957 SIC combined in this industry two industries which were separate in the 1945 SIC: industry 2562, Window Shades, and industry 2563, Venetian Blinds. The 1958 value of shipments figures for these two industries have been combined and the ratios for the 4 and 8 largest companies have been recomputed on a basis comparable to 1963 and 1966.

<sup>39</sup>Beginning with 1958, the concentration ratios for this industry are not comparable to those published for earlier years. In the 1958 Census of Manufactures integrated pulp and paper companies were given the option of reporting their pulp and paper (or board) operations on a combined basis when both were conducted at a single physical location. Most integrated companies exercised this option and filed a single report covering their pulp, paper (or board) making operations at a single physical location, but a few with departmental accounting chose to report separately for the pulp mill and paper (or board) mill, as they were required to do in 1954 and 1947. The only other pulp mills separately reported in the 1958 Census of Manufactures were (1) those exclusively selling their pulp on the market (i.e., not associated or affiliated with a paper and board mill), and (2) those pulp mills affiliated or associated with paper or board mills but operated at a different physical location from the paper or board mill(s).

<sup>40</sup>The 1957 SIC combined in this industry two industries which were separate in the 1945 SIC: industry 2781, Bookbinding, and industry 2789, Miscellaneous Bookbinding Work. The 1958 value of shipments figures for these two industries have been combined and the ratios for the 4 and 8 largest companies have been recomputed on a basis comparable to 1963 and 1966.

<sup>41</sup>Comparable data for previous years are not available. In 1967, industry 2814, Cyclic (Coal Tar) Crudes, was included in industry 2815, Intermediate coal tar products.

<sup>42</sup>Comparable data are not available. In 1947, industry 2818, Organic Chemicals, N.E.C., included industry 2815, Intermediates and Organic Colors.

<sup>43</sup>Government-owned establishments that are privately operated are included in this industry but did not enter into the calculation of the specialization and coverage ratios as all dollar receipts for these establishments were included as primary receipts.



TABLE 5. Percent of Value of Shipments Accounted for by the Largest Companies in Each Manufacturing Industry: 1967 and Earlier Years--Continued

## FOOTNOTES--Continued

<sup>44</sup>The 1957 SIC combined in this industry two industries which were separate in the 1945 SIC: industry 2819, Inorganic Chemicals, N.E.C., and industry 2811, Sulfuric Acid. The 1958 value of shipments figures for these two industries have been combined and the ratios for the 4 and 8 largest companies have been recomputed on a basis comparable to 1963 and 1966.

<sup>45</sup>Includes lubricating oils and greases which are also primary to industry 2992, Lubricating Oils and Greases. See the separate report for this industry in the Industry Series for a more detailed discussion of this subject.

<sup>46</sup>Includes lubricating oils and greases which are also primary to industry 2911, Petroleum Refining. See the separate report for this industry in the Industry Series for a more detailed discussion of this subject.

<sup>47</sup>Includes data for industry 2991, Fuel Briquets and Packaged Fuels, and industry 2999, Petroleum and Coal Products, N.E.C. These industries were shown separately in 1947.

<sup>48</sup>The 1957 SIC combined in this industry two industries which were separate in the 1945 SIC: industry 3192, Saddlery, Harness, and Whips, and industry 3199, Leather Goods, N.E.C. The 1958 value of shipments figures for these two industries have been combined and the ratios for the 4 and 8 largest companies have been recomputed on a basis comparable to 1963 and 1966.

<sup>49</sup>This is a minimum ratio. The exact ratio is withheld to avoid disclosing figures for individual companies.

<sup>50</sup>The 1958 and earlier years' shipments and associated concentration ratios are not comparable to 1963 and 1966 because of the significant amount of resales excluded in the earlier period.

<sup>51</sup>Ready-mixed concrete was included in the census of manufactures for the first time in 1958. No comparable information is available for earlier years.

<sup>52</sup>Revised percentages not available.

<sup>53</sup>The value of shipments for this industry totaled \$16,418 million in 1963. These values, however, include duplication in that the products of some establishments are used as materials by others. A specialization ratio computed on the basis of net value of shipments would approximate 94 percent for 1963 and 1967. Although a coverage ratio cannot be computed precisely, it would exceed 84 percent for 1967 and 86 percent for 1963. Approximate ratios for 1958 were: specialization, 94 percent; coverage, 84 percent.

<sup>54</sup>Industry 3312, Blast Furnaces and Steel Mills, has been redefined since 1954 to include industry 3311, Blast Furnaces; industry 3312, Steelworks and Rolling Mills; industry 2931, Beehive Coke Ovens; and industry 2932, Byproduct Coke Ovens. For 1954 and 1947, value added by manufacture and shares accounted for by the largest 4, 8, and 20 companies have been recomputed on a basis comparable to later years.

<sup>55</sup>This ratio is based on shipments of primary products only by this industry. However, some of these products are also primary to one or more other industries. See the separate report for this industry in the Industry Series for a more detailed discussion of this subject.

<sup>56</sup>Industry 3321, Gray Iron Foundries, includes, in addition to commercial (jobbing) foundries, "captive" foundries at separate locations producing gray iron castings for other plants of the same company. Accordingly, the ratios for this industry do not reflect the market shares in the commercial foundry industry as such.

<sup>57</sup>Ratios not meaningful because total value of primary products shipped include a significant amount of duplication.

<sup>58</sup>Comparable data are not available due to significant revisions in the 1954 classification of plants or products in this industry.

<sup>59</sup>A number of small establishments was misclassified into this industry. This affects the figure for the number of companies but has no appreciable effect on the total value of shipments or the percentage of value of shipments accounted for by the largest companies.

<sup>60</sup>The 1957 SIC combined in this industry three industries which were separate in the 1945 SIC: industry 3422, Edge Tools; industry 3423, Hand Tools, N.E.C.; and industry 3424, Files. The 1958 value of shipments figures for these three industries have been combined and the ratios for the 4 and 8 largest companies have been recomputed on a basis comparable to 1963 and later years.

<sup>61</sup>Revisions were made to this industry for prior years to include automobile stampings plants operated by automobile producing companies. Concentration ratios cannot be published for prior years on a revised basis without approximating the operations of individual companies.

<sup>62</sup>Indexes not meaningful because of large miscellaneous receipts, particularly receipts for contract and commission work on materials owned by others.

<sup>63</sup>The 1957 SIC combined in this industry three industries which were separate in the 1945 SIC: industry 3465, Enameling and Lacquering; industry 3466, Galvanizing; and industry 3467, Engraving on Metal. The 1958 value of shipments figures for these three industries have been combined and the ratios for the 4 and 8 largest companies have been recomputed on a basis comparable to 1963 and later years.

<sup>64</sup>Not completely comparable to 1966 and earlier years. Some companies included construction receipts, with value of shipments in 1966 and prior years. Such receipts are excluded in 1967.

<sup>65</sup>Comparable data are not available for 1966 and earlier years because of significant changes in the 1967 classification of plants or products of this industry.

<sup>66</sup>Comparable data are not available for prior years as this industry was not separately identified prior to 1967.

<sup>67</sup>Ratios not meaningful because total value of primary products shipped include a significant amount of duplication.

<sup>68</sup>Comparable data are not available due to significant revisions in the 1954 classification of plants or products in this industry.

<sup>69</sup>Comparable figures not available. Ratios were calculated originally on value of shipments in 1954 and 1947. 1954 ratios for the largest 4 and 8 companies have been recalculated based on value added; 1947 ratios based on value added are not available.

<sup>70</sup>Prior to 1967 industries 3711 and 3714 were combined and identified as industry 3717.

<sup>71</sup>Data for 1966 and 1963 have been revised by the exclusion of automotive stamping plants operated by automobile producing companies, as a result of this revision, these plants are now classified in the metal stampings industry (SIC 3461). Data for years prior to 1963 have not been revised.

<sup>72</sup>Not completely comparable to 1958, and later years because of a change in the SIC System. In 1958 and later years, an establishment manufacturing complete aircraft was classified in industry 3721, Aircraft, if its value of work done on aircraft exceeded its value of shipments of any other single industry's products. In 1954 and earlier years, any establishment manufacturing at least one complete aircraft was classified in industry 3721.

<sup>73</sup>Value of work done rather than value of shipments. Includes miscellaneous receipts such as receipts for contract work and commission work on materials owned by others, scrap, salable refuse, repair work, etc.

<sup>74</sup>Data include aircraft propellers and parts, previously identified as industry 3723.

<sup>75</sup>The 1957 SIC combined into this industry two industries which were separate in the 1945 SIC: industry 3952, Lead Pencils and Crayons, and industry 3954, Artists' Materials. The 1958 value of shipments figures for these two industries have been combined and the ratios for the 4 and 8 largest companies have been recomputed on a basis comparable to 1963 and later years.

<sup>76</sup>The 1967 SIC combined into this industry six industries which were separate in the 1957 SIC: industry 3983, Matches; 3984, Candles; 3987, Lamp Shades; 3992, Furs, Dressed and Dyed; 3995, Umbrellas, Parasols and Canes; and 3999, Miscellaneous Products, N.E.C. concentration ratio data are not available for 1966 or prior years.

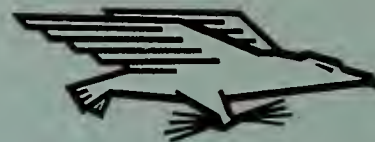




UNITED STATES  
GOVERNMENT PRINTING OFFICE  
DIVISION OF PUBLIC DOCUMENTS  
WASHINGTON, D.C. 20402

OFFICIAL BUSINESS

**FIRST CLASS MAIL**



POSTAGE AND FEES PAID  
U.S. GOVERNMENT PRINTING OFFICE











CB/Bureau of the Census Library



5 0673 01027115 6